CATALOGUE

66

174

REGISTERS
VENTILATORS
GRILLES
SCREENS

BRASS
BRONZE

IRON
STEEL

TUTTLE & BAILEY

MFG CO.

NEW YORK CHICAGO BOSTON

REGISTERS

VENTILATORS

GRILLES

SCREENS

TUTTLE & BAILEY

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REGISTERS VENTILATORS GRILLES SCREENS TABLETS

SIXTY-SIXTH ANNUAL CATALOG

TUTTLE & BAILEY MFG CO.

NEW YORK 76 Madison Ave. | CHICAGO 225 W. Lake St. | CLEVELAND 425 Prospect Ave., West | BOSTON 67 Sudbury St.

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ANSWERED ..... BY

S. M. G. ..... C. E. B. .....

A. H. L. ..... L. W. G. .....

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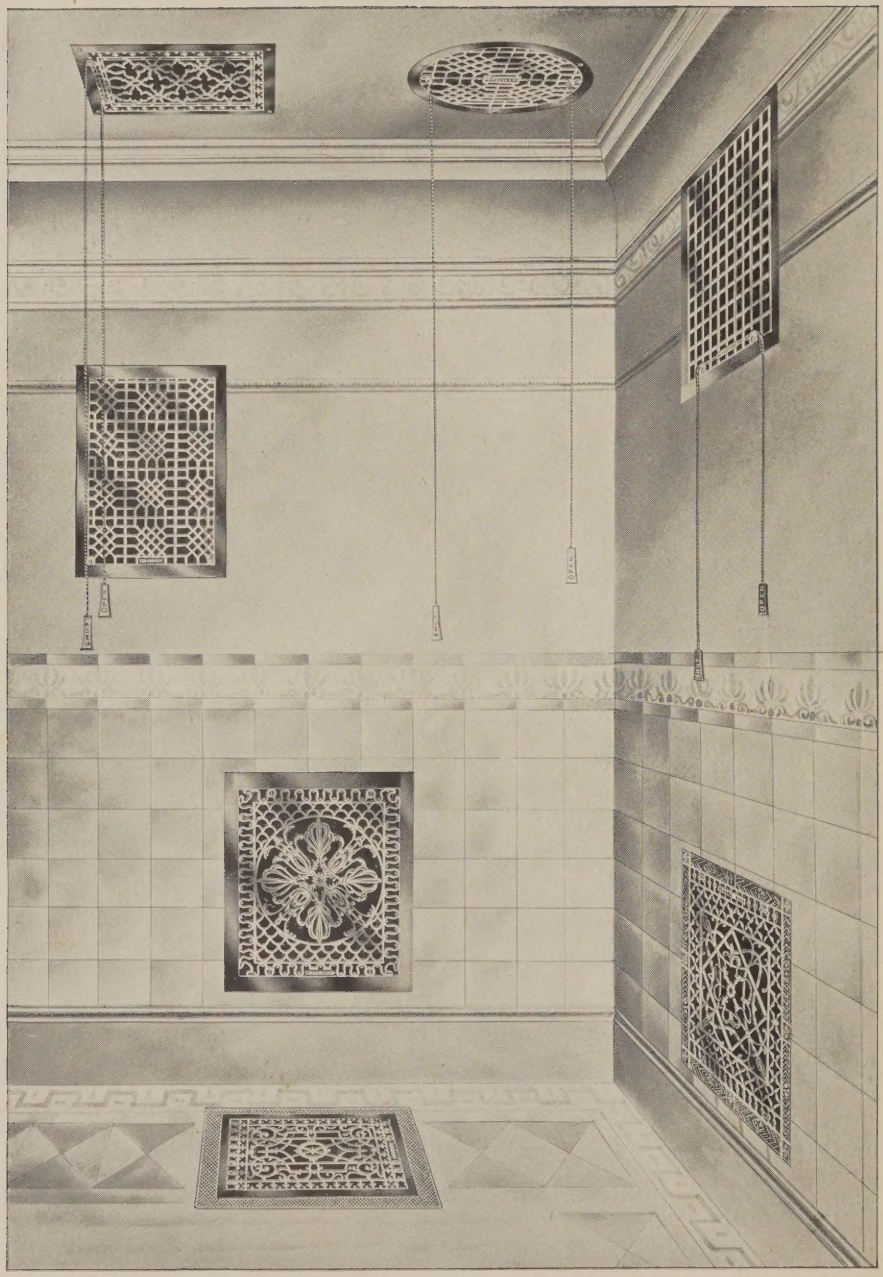


THE STANDARD OF COMPARISON

REGISTERS AND VENTILATORS IN POSITION READY FOR USE

TUTTLE & BAILEY
MFG COMPANY

The Standard of Comparison

REGISTERS are to be Tuttle & Bailey make or equal—is a clause which appears in all register specifications and testifies as to the opinion of Architects and Engineers concerning our product.

In the following pages will be found illustrations and list prices covering all of our standard lines; but lack of space prevents our giving more than a few cuts of our Special Designs, of which we have over four hundred.

Under the different headings the various styles of Registers are described and the special points in regard to each are explained.

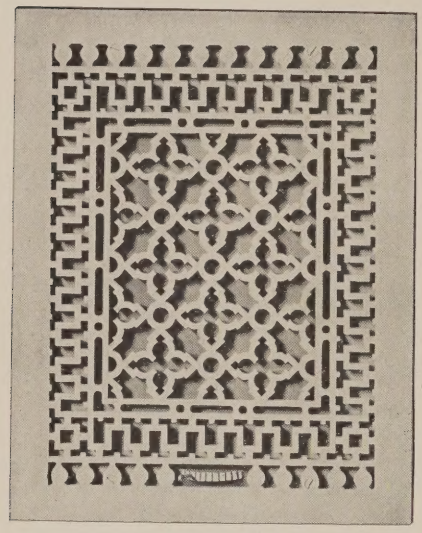
Although we offer the Cast Iron, the Semi-Steel and the All-Steel Registers, we strongly recommend the Cast Iron goods as they are by far the best, especially for durability. The Cast Iron Registers will last a lifetime—many made by us sixty years ago are still in use. The life of a Sheet Steel Register is short under the most favorable conditions.

We call attention to the fact that all goods shown are manufactured in our own Factory, under our own exclusive patents; also that the goods we now offer cover the requirements for all kinds of heating.

By keeping constantly in touch with modern methods of heating and combining our experience of sixty-six years we are able to offer in this catalogue a complete line that is up-to-date in every particular.

Our Warehouse stock is always approximately 500,000 pieces. Our goods are standard and the parts interchangeable. The tin pipe manufacturers have standardized their boxes to fit our Registers and "T. & B." means as heretofore "The Standard of Comparison."

TUTTLE & BAILEY
MFG COMPANY



PERSIAN DESIGN

Cast Iron—All Designs

The Cast Iron Register is, in every respect, the best register on the market. It is more durable, admits of an infinite variety of designs and has a more substantial appearance than Steel goods.

So-called All Wrought Steel Registers are made of stamped sheet metal and after a few years will rust out, even under the most favorable climatic conditions.

The Vertical Wheel Movement, patented by us in 1846, remains today the most satisfactory device for operating the valves of a register. It works smoothly, does not rust or become clogged by dirt and is practically noiseless.

The stock designs and a few of the specials are illustrated in this book, but we manufacture over four hundred additional styles, which are made to suit various orders of decoration.

Side Wall or Ceiling Pulleys can be readily attached in the usual way, to operate by cord or chain.

We carry Cast Iron Persian, Brilliant, Plain Lattice, Florentine and Indian Lattice Registers always in stock.

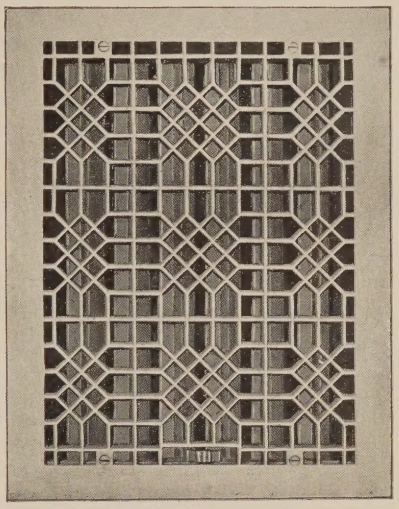
Weights of principal sizes given on page 70.

For List Prices, see pages 20 to 27 inclusive

Semi-Steel—All Designs

To secure the advantages of the Cast Iron Face, i. e., Ornamental Design, Large Air Capacity, Strength and Durabilty —with the light weight of the Steel Bottom, the Semi-Steel Register has been designed. All parts except the Face are of Wrought Steel.

The patent roller movement similar in principle to the ball bearing is new. The valves open and close smoothly without any catch or hitch and when fully closed lock automatically. This self-locking feature is extremely important, especially when the Register is used with a blower system, as it is impossible for the draught to open the valves.



INDIAN LATTICE DESIGN

Registers (up to size 14 x 14) are only 2¼″ deep when open, which permits use in shallow flues. The bevelled bottom insures easy setting. The entire Register is substantially constructed, light in weight and unbreakable.

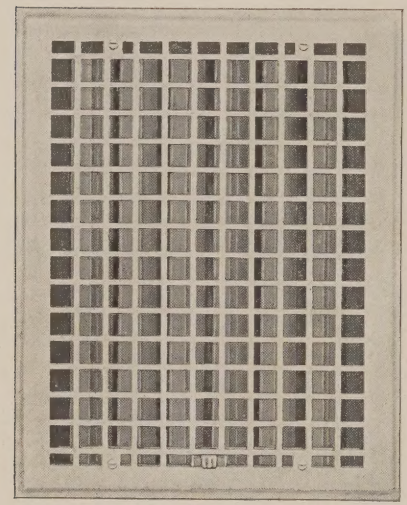
In setting, if the Face is removed, the bottom is complete in itself—a special arrangement holding all parts in their proper places. No part can fall out or into the flue.

Side Wall or Ceiling Pulleys can be readily attached in the usual way to operate by cord or chain.

We carry Semi-Steel Indian Lattice Design Registers always in stock.

Weights of principal sizes given on page 70.

For List Prices, see pages 20 to 23 inclusive



PLAIN LATTICE DESIGN

All Wrought Steel

The All Wrought Steel Register is lighter in weight than either the Cast or the Semi-Steel and there is a consequent saving in freight. This is of particular advantage to the Export Trade, for which this Register is especially well adapted.

It is made throughout of Wrought Steel which prevents breakage and the Face is rigidly braced with strengthening bars. The Bottom is the same as described on page 5 (under Semi-Steel). It operates with a roller movement, is bevelled, self-locking and shallow, being only 2¼" deep when open (up to size 14 x 14).

The Design is limited to the Plain Lattice and the edges of the Face are offset to make a close fit against the floor or wall.

The capacity is far in excess of any other Steel Register on the Market, there being much more free air opening in the Face.

Side Wall or Ceiling Pulleys can be readily attached in the usual way to operate by Cord or Chain.

Steel Register Faces can be used separately as Faces without the Bottoms. For floor use the transverse bars attached to the underside of the Face insures unusual strength.

We carry All Wrought Steel Plain Lattice Design Registers and Faces always in stock. Each Register is packed in a neat pasteboard box.

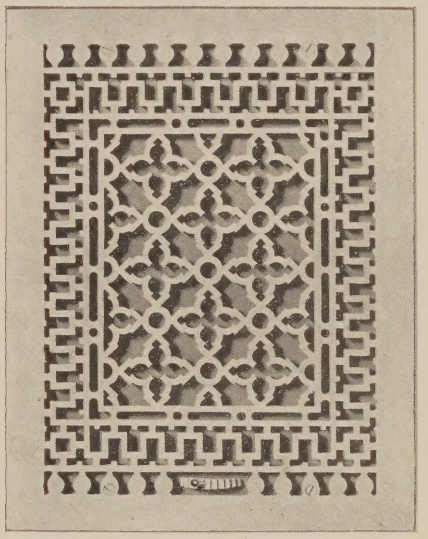
Weights of principal sizes given on page 70.

For List Prices, see pages 20 to 23 inclusive

Persian Design

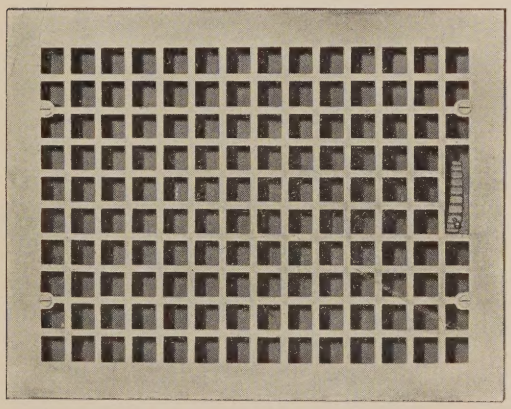
Made in the following sizes

4 x 6	6 x 9	8 x 18	10 x 14
4 x 8	6 x 10	8 x 21	10 x 16
4 x 10	6 x 12	8 x 24	10 x 18
4 x 12	6 x 14	8 x 27	10 x 20
4 x 13	6 x 16	8 x 30	10 x 22
4 x 15	6 x 18	9 x 9	10 x 24
4 x 18	6 x 20	9 x 12	11 x 17
4 x 21	6 x 22	9 x 13	12 x 12
4 x 24	6 x 24	9 x 14	12 x 14
5 x 8	6 x 28	9 x 15	12 x 15
5 x 9	6 x 32	9 x 16	12 x 16
5 x 10	7 x 7	9 x 17	12 x 17
5 x 11	7 x 10	9 x 18	12 x 18
5 x 12	7 x 12	9 x 19	12 x 19
5 x 13	7 x 14	9 x 20	12 x 20
5 x 14	8 x 8	9 x 22	12 x 24
5 x 15	8 x 10	9 x 24	12 x 30
5 x 16	8 x 12	9 x 26	12 x 32
5 x 17	8 x 13	9 x 28	12 x 36
5 x 18	8 x 14	9 x 30	14 x 14
6 x 6	8 x 15	10 x 10	14 x 16
6 x 8	8 x 16	10 x 12	14 x 18



PERSIAN DESIGN

14 x 20	15 x 30	16 x 24	18 x 27	20 x 26	21 x 25	24 x 30	27 x 38
14 x 22	15 x 34	16 x 28	18 x 30	20 x 28	21 x 29	24 x 32	30 x 30
14 x 48	16 x 16	16 x 32	18 x 36	20 x 30	21 x 33	24 x 36	30 x 36
15 x 15	16 x 18	18 x 18	20 x 20	20 x 32	21 x 37	24 x 45	30 x 42
15 x 21	16 x 20	18 x 21	20 x 22	20 x 36	24 x 24	27 x 27	30 x 48
15 x 25	16 x 22	18 x 24	20 x 24	21 x 21	24 x 27		



PLAIN LATTICE DESIGN

Plain Lattice Design

Made in all listed sizes

See pages 20 to 23

For List Prices, see pages 20 to 27 inclusive

BRILLIANT DESIGN

Brilliant Design

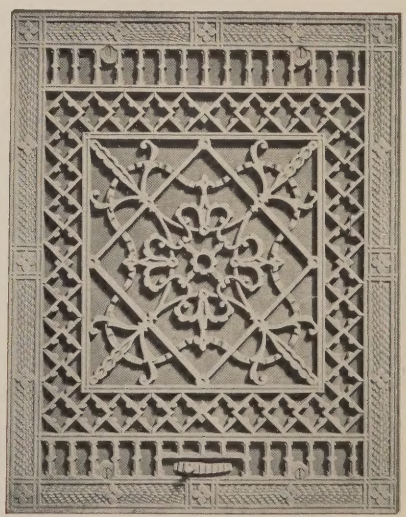
Made in the following sizes

6 x 8	9 x 16	14 x 16
6 x 9	9 x 17	14 x 18
6 x 10	9 x 18	14 x 20
6 x 14	10 x 10	14 x 22
6 x 16	10 x 12	15 x 25
6 x 18	10 x 14	16 x 16
7 x 10	10 x 16	16 x 18
8 x 8	10 x 18	16 x 20
8 x 10	10 x 20	16 x 22
8 x 12	12 x 12	16 x 24
8 x 13	12 x 14	18 x 18
8 x 14	12 x 15	18 x 21
8 x 15	12 x 16	18 x 24
8 x 18	12 x 17	20 x 20
9 x 9	12 x 18	20 x 24
9 x 12	12 x 19	20 x 26
9 x 13	12 x 20	21 x 29
9 x 14	12 x 24	24 x 24
9 x 15	14 x 14	27 x 38

Florentine Design

Made in the following sizes

6 x 8	10 x 14	16 x 16
6 x 9	10 x 16	16 x 20
6 x 10	10 x 18	16 x 24
6 x 14	10 x 20	18 x 18
6 x 18	12 x 12	18 x 21
6 x 24	12 x 14	20 x 24
7 x 10	12 x 15	20 x 26
8 x 8	12 x 16	24 x 24
8 x 10	12 x 17	24 x 27
8 x 12	12 x 18	27 x 27
8 x 15	12 x 19	27 x 38
8 x 18	12 x 20	
9 x 9	12 x 24	
9 x 12	14 x 14	Also for side wall only
9 x 13	14 x 16	
9 x 14	14 x 18	18 x 24
9 x 24	14 x 20	20 x 20
10 x 10	14 x 22	21 x 29
10 x 12	15 x 25	24 x 32



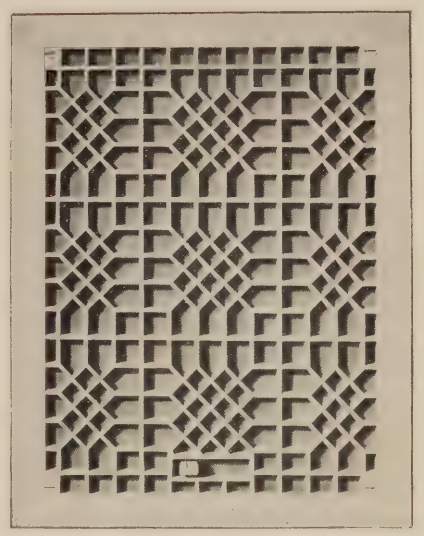
FLORENTINE DESIGN

For List Prices, see pages 20 to 27 inclusive

Indian Lattice Design

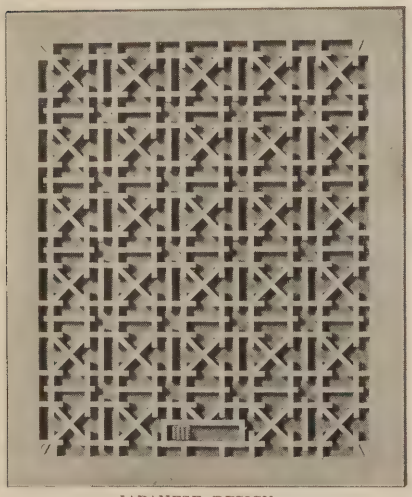
Made in the following sizes

4 x 12	8 x 21	12 x 20	18 x 27
4 x 18	8 x 24	12 x 24	18 x 30
4 x 24	8 x 30	12 x 30	20 x 20
6 x 6	9 x 9	12 x 32	20 x 24
6 x 8	9 x 12	12 x 36	20 x 26
6 x 9	9 x 13	14 x 14	21 x 29
6 x 10	9 x 14	14 x 16	22 x 22
6 x 12	9 x 16	14 x 18	24 x 24
6 x 14	9 x 18	14 x 20	24 x 27
6 x 16	9 x 28	14 x 22	24 x 30
6 x 18	10 x 10	15 x 25	24 x 32
6 x 20	10 x 12	15 x 30	24 x 36
6 x 24	10 x 14	15 x 34	27 x 27
7 x 7	10 x 16	16 x 16	30 x 36
7 x 10	10 x 18	16 x 18	30 x 42
7 x 12	10 x 20	16 x 20	
7 x 14	12 x 12	16 x 22	
8 x 8	12 x 14	16 x 24	
8 x 10	12 x 15	16 x 28	Also for side wall only
8 x 12	12 x 16	16 x 32	
8 x 14	12 x 17	18 x 18	27 x 27
8 x 15	12 x 18	18 x 21	27 x 38
8 x 18	12 x 19	18 x 24	30 x 30



INDIAN LATTICE DESIGN

These registers are made only in the vertical wheel movement, in sizes larger than 14 x 22.



JAPANESE DESIGN

Japanese Design

Made in the following sizes

4 x 18	7 x 12	10 x 12
6 x 6	7 x 14	10 x 14
6 x 8	8 x 8	10 x 16
6 x 9	8 x 10	10 x 18
6 x 10	8 x 12	12 x 12
6 x 12	8 x 15	12 x 14
6 x 14	8 x 18	12 x 15
6 x 16	9 x 9	12 x 17
6 x 18	9 x 12	12 x 18
6 x 24	9 x 13	12 x 19
7 x 7	9 x 14	12 x 20
7 x 10	10 x 10	

For List Prices, see pages 20 to 27 inclusive

RENAISSANCE DESIGN

Renaissance Design

Made in the following sizes

To Set Vertically (see cut)

4 x 8	9 x 18	14 x 18
4 x 10	10 x 10	14 x 20
6 x 8	10 x 12	16 x 20
6 x 12	10 x 14	16 x 24
8 x 10	10 x 16	16 x 32
8 x 12	12 x 12	18 x 24
8 x 16	12 x 14	20 x 20
9 x 9	12 x 15	20 x 24
9 x 12	12 x 16	20 x 26
9 x 13	12 x 17	21 x 29
9 x 14	12 x 18	27 x 38
9 x 15	12 x 20	
9 x 16	14 x 14	

Also the following to set with long dimension Horizontal

12 x 20	12 x 24	15 x 25

Empire Design

Made in the following sizes

8 x 8	12 x 12	16 x 18
8 x 10	12 x 14	16 x 20
8 x 12	12 x 15	16 x 22
9 x 9	12 x 16	16 x 24
9 x 12	12 x 17	18 x 18
9 x 13	12 x 18	18 x 21
9 x 20	12 x 19	18 x 24
10 x 10	12 x 24	18 x 27
10 x 12	14 x 14	18 x 30
10 x 14	14 x 16	20 x 20
10 x 16	14 x 18	20 x 26
10 x 18	14 x 20	24 x 45
10 x 20	14 x 22	27 x 27
10 x 24	16 x 16	

Empire Design Registers can be strengthened for use in floor if so ordered

EMPIRE DESIGN

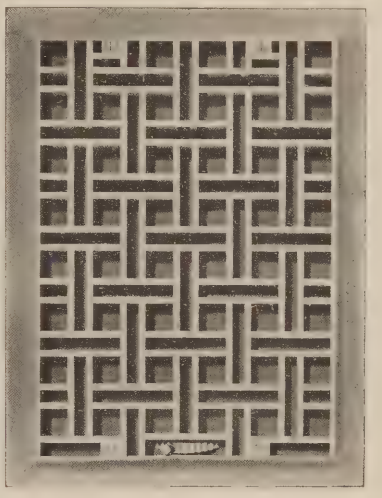
For List Prices, see pages 20 to 27 inclusive

The Convex Register is designed for use where the flue is shallow, the Register being only 1¼″ deep when open. The Face is Convex, preventing the hot air from discoloring the wall, and the operating movement is the vertical wheel. It is made in two designs.

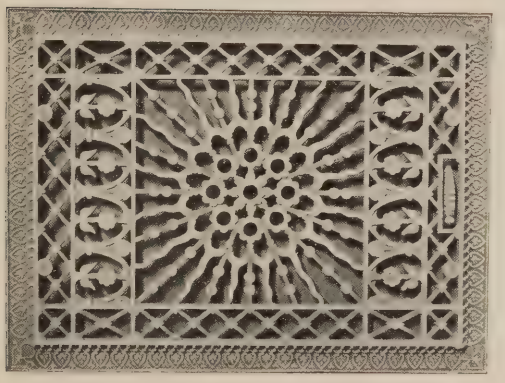
Convex Lattice Design

Made in the following sizes

6 x 8	9 x 9	12 x 15	14 x 18
6 x 10	9 x 12	12 x 16	14 x 20
6 x 12	9 x 14	12 x 17	14 x 22
7 x 10	10 x 10	12 x 18	16 x 20
8 x 8	10 x 12	12 x 19	16 x 24
8 x 10	10 x 14	12 x 20	18 x 21
8 x 12	10 x 16	12 x 24	18 x 24
8 x 15	12 x 12	14 x 14	20 x 20
8 x 18	12 x 14	14 x 16	24 x 24



CONVEX LATTICE DESIGN



CONVEX FLAMBOYANT DESIGN

Convex Flamboyant Design

Made in the following sizes

8 x 8	9 x 14	12 x 14
8 x 10	10 x 10	12 x 15
8 x 12	10 x 12	12 x 16
8 x 15	10 x 14	12 x 17
9 x 9	10 x 16	12 x 18
9 x 12	12 x 12	12 x 19

For List Prices, see page 34

CAST IN IRON, BRONZE OR BRASS

Crown Design

Convex Circular Top

Made in the following sizes

8 x 12 9 x 12 10 x 14

Carved Design

Circular Top—Made in the following sizes

7 x 10	9 x 12	12 x 18	High 11 x 13
8 x 12	10 x 14	16 x 22	High 13 x 15
8 x 14	11 x 16	-	High 16 x 17

Wide

Florentine Design

Circular Top—Made in the following sizes

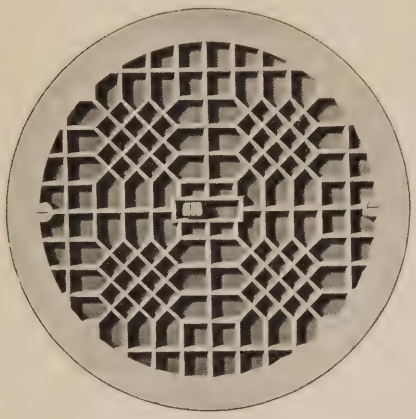
8 x 12		10 x 14
9 x 12	12 x 18	11 x 13

Daisy Design

Circular Top—Made in the following sizes

8 x 12 9 x 12 10 x 14

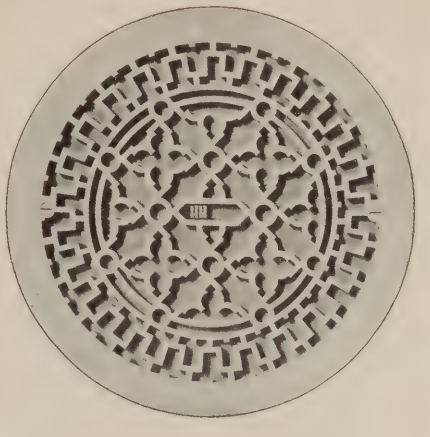
For List Prices, see page 35



Indian Lattice Design

Made in the following sizes

6″	9″	14″	20″	30″
7″	10″	16″	24″	36″
8″	12″	18″	28″	



Persian Design

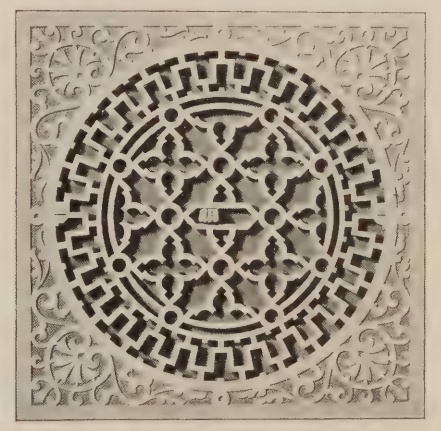
Made in the following sizes

6″	9″	14″	20″	30″
7″	10″	16″	24″	36″
8″	12″	18″	28″	

Daisy Design

Made in the following sizes

6″	7″	8″	9″	10″	12″



Round Register with Square Face

Made in the following sizes

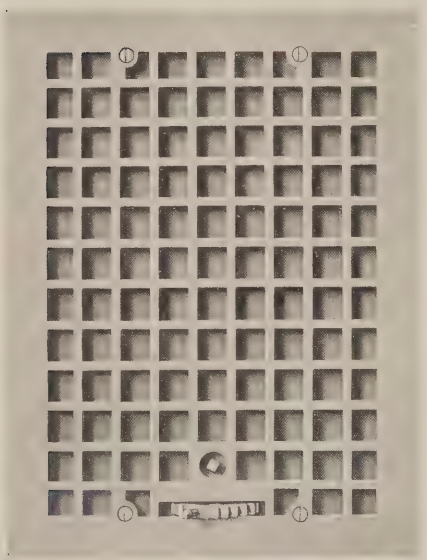
7″	8″	9″	10″	12″

ALL SIZES ARE SIZES OF OPENINGS

For List Prices, see page 36

Lock Registers

Lock Registers are designed for use where it is desirable to lock the valves in any position so they cannot be moved without the use of a key. They are made in two types: the Set Screw Type and the Key Operating Type.



PLAIN LATTICE DESIGN—LOCK
(SET SCREW TYPE)

The "Set Screw" Type

Lock Register operates by a vertical wheel and the valves can be locked in any position by use of a set screw and key. This set screw is entirely independent of the vertical wheel movement which operates the valves, so that the Register may be opened and closed independently of the locking attachment. When it is desired to fix the valves in position so that the wheel cannot be moved, the key may be used.

Any listed size of Register, of the Plain Lattice Design, can be equipped with this set screw device at an additional cost of 25 cents net extra for each Register; this charge being over and above the regular price of the vertical wheel Registers as listed on pages 20 to 23 inclusive.

Lock Registers

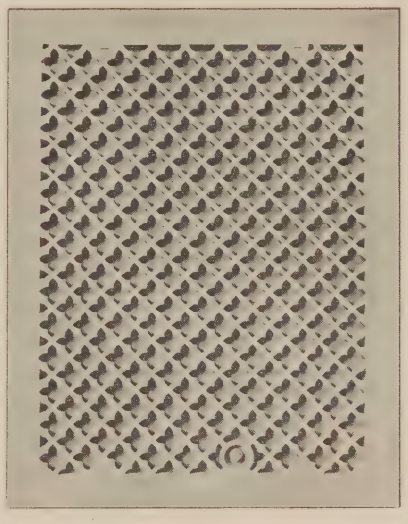
(Continued)

The "Key Operating" Type Lock

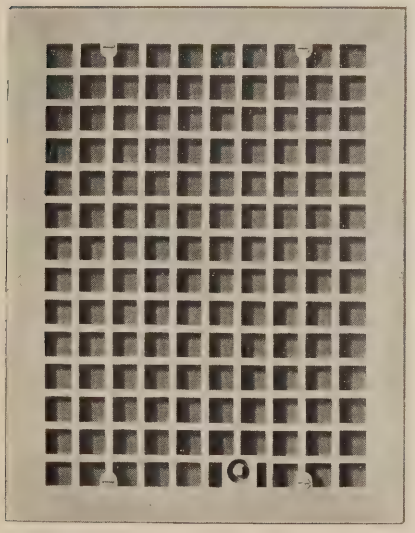
Register operates and locks by the use of a key. The key engages a worm and gear which in turn moves the valves.

The *Asylum Design* is made only in this key operating type of Register. The fretwork is small so that inmates cannot put their fingers through the openings.

The *Plain Lattice Design* is intended for places other than Asylums where it is advisable to have a more open design with a key operating lock movement.



ASYLUM DESIGN—LOCK
(KEY OPERATING TYPE)



PLAIN LATTICE DESIGN—LOCK
(KEY OPERATING TYPE)

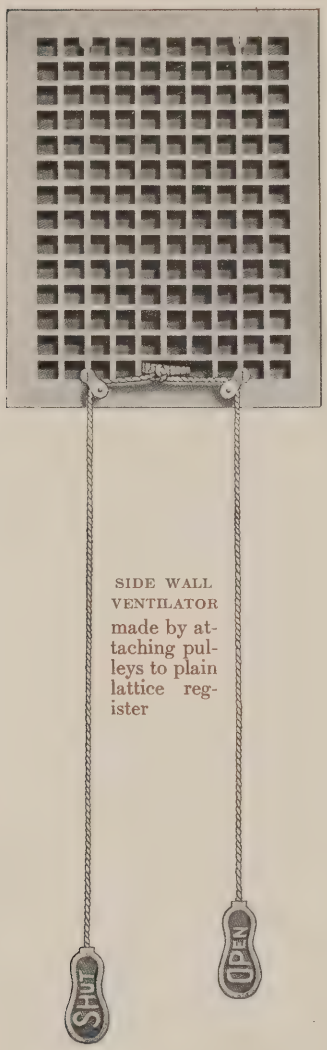
Asylum Lock and Plain Lattice Lock

(KEY OPERATING TYPE)

are made in the following sizes

6 x 6	9 x 16	14 x 14
6 x 8	9 x 18	14 x 16
6 x 10	9 x 20	14 x 18
6 x 12	10 x 10	14 x 20
6 x 14	10 x 12	14 x 22
6 x 16	10 x 14	16 x 16
6 x 18	10 x 16	16 x 18
6 x 20	10 x 18	16 x 20
6 x 24	10 x 20	16 x 22
8 x 8	12 x 12	16 x 24
8 x 10	12 x 14	16 x 32
8 x 12	12 x 15	18 x 21
8 x 15	12 x 16	18 x 24
8 x 16	12 x 17	18 x 27
8 x 18	12 x 18	20 x 24
8 x 24	12 x 19	20 x 26
9 x 9	12 x 20	20 x 32
9 x 12	12 x 24	24 x 24
9 x 14		24 x 30

For List Prices, see page 37



SIDE WALL VENTILATOR made by attaching pulleys to plain lattice register

Registers of any design, size, shape or finish can be made into ventilators by attaching side wall or ceiling pulleys.

When the openings in the walls are out of arm's reach, ventilators are used as they can be operated with cord or chain.

For the list price of a ventilator add 50 cents list to the regular Register list on all sizes smaller than 14 x 14 or $1.00 list if 14 x 14 or larger. This applies to all Registers shown on pages 4 to 13 inclusive.

In ordering it should be stated whether Ventilators are for side wall or for ceiling.

Indicating handles, cord, chain, etc., are not included in the price of a ventilator. The extra charges are as follows:

Net Prices

INDICATING HANDLES

Black Japanned	Per	Pair	Net,	$0.10
Bronzed	"	"	"	.15
Plated (Brass, Bronze or Copper)	"	"	"	.15
Plated (to sample)	"	"	"	.20
Solid Bronze	"	"	"	.20
Solid Brass	"	"	"	.20

CORD, CHAIN, ETC.

Cord	Per	Yard	Net,	$0.03
Chain, Nickel Plated	"	"	"	.08
Chain, Bronze Plated	"	"	"	.10

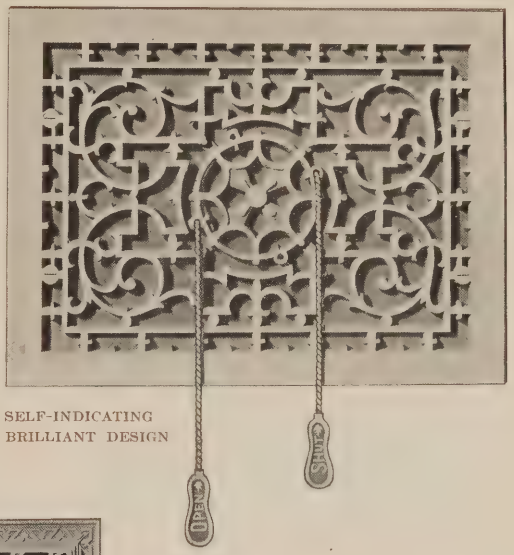
For Lists of Designs and Sizes, see pages 4 to 13 inclusive

Self-indicating ventilators do not require pulleys or other additional fixtures in order to operate by cord. If out of reach, cords can be attached direct to the patent indicating center scroll which shows at a glance whether the valves are open or closed.

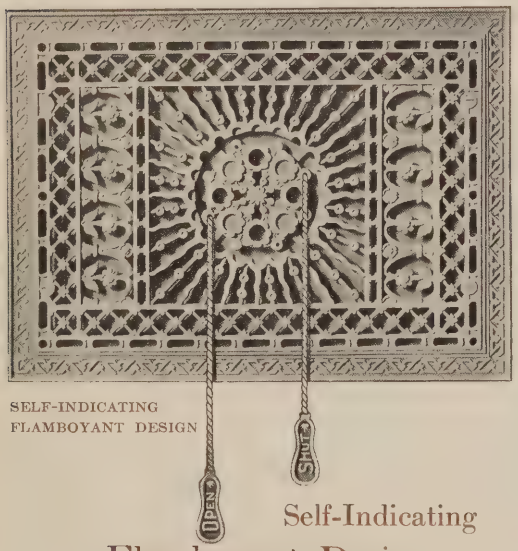
Self-Indicating
Brilliant Design

Made in the following sizes

4½ x 6½	8 x 8	10 x 10	12 x 15
6 x 8	8 x 10	10 x 12	12 x 17
6 x 10	8 x 12	10 x 14	12 x 19
7 x 7	9 x 12	10 x 16	14 x 22
7 x 10	9 x 14	12 x 12	



SELF-INDICATING
BRILLIANT DESIGN

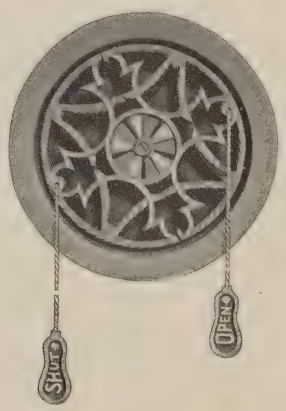


SELF-INDICATING
FLAMBOYANT DESIGN

Self-Indicating
Flamboyant Design

Made in the following sizes

8 x 8	8 x 12	9 x 12	10 x 10	10 x 14	12 x 15
8 x 10	8 x 15	9 x 14	10 x 12	10 x 16	12 x 17

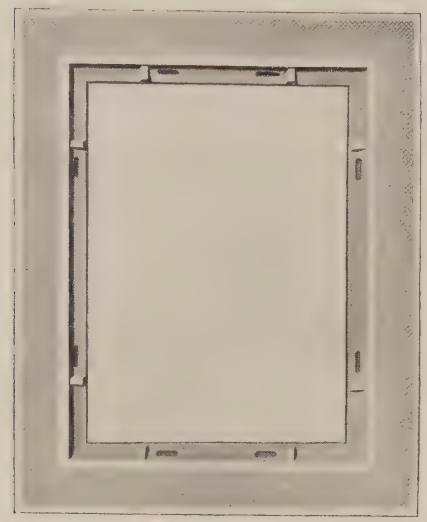


Round Self-Indicating
Brilliant Design

Made in the following sizes

4″ 5″ 5½″ 6″ 7″ 8″ 9″

For Prices of Cord Indicating Handles, Etc., see page 16
For List Prices, see page 32



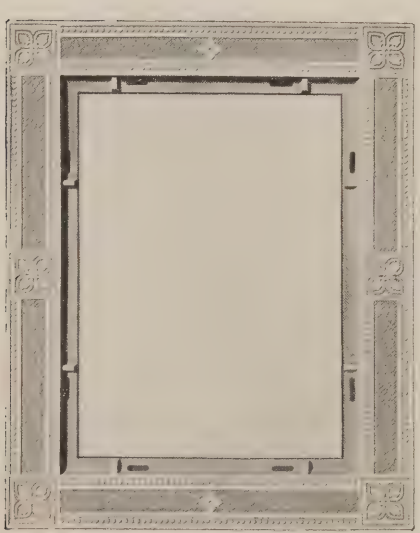
BRILLIANT DESIGN

Floor Borders

Floor borders are made to fit all sizes of cast, semi-steel and all steel Registers as listed on pages 20 to 23 inclusive. They are made of cast iron, bronze, brass or slate.

The construction of the cast border will be seen by referring to cuts on page 28. If desired these borders can be furnished flat on the back without the rib which marks the floor opening and should be ordered "Ribless."

As steel borders have been found to be so entirely unsatisfactory we do not recommend their use.



FLORENTINE DESIGN

PERSIAN DESIGN

For List Prices, see pages 28, 29, 30 and 31

CAST IN IRON, BRONZE OR BRASS

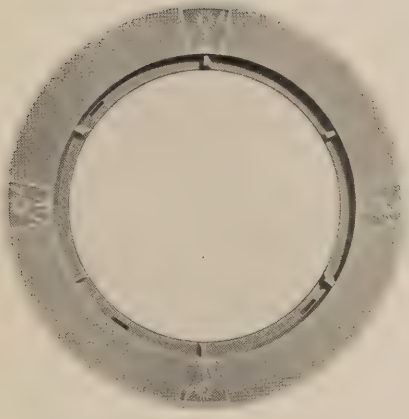
Circular Top

Crown Wall Borders

are made to fit the following sizes of Circular Top Registers

7 x 10	9 x 12	11 x 16
8 x 12	10 x 14	12 x 18

CIRCULAR TOP CROWN WALL BORDER



ROUND FLOOR BORDER

Round Borders

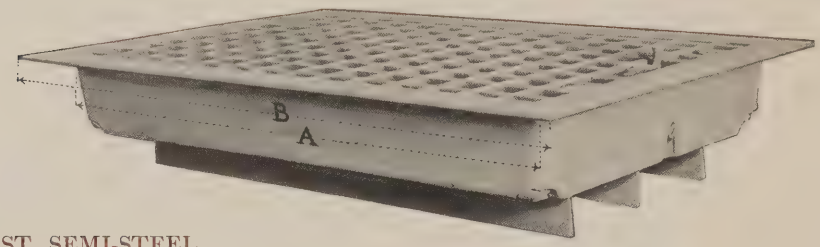
are made to fit the following sizes of Round Registers (see page 13)

6″	9″	14″	20″	30″
7″	10″	16″	24″	36″
8″	12″	18″	28″	

Also Round Borders to fit the following sizes of heavy Round Gratings (see page 37).

30″	33″	36″	42″	48″

For List Prices, see pages 35, 36 and 37



CAST, SEMI-STEEL OR ALL STEEL

Price List

ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	If with Pulleys for Cord or Chain Add to List
3.00	2.00	1.70	1.40	4½ x 6½	2.00	2.20	2.80	.50
3.40	2.20	1.80	1.50	4 x 8	2.20	2.40	2.90	.50
3.75	2.40	1.90	1.55	4 x 10	2.40	2.60	3.75	.50
5.60	2.80	2.20	1.80	4 x 12	2.80	3.10	4.50	.50
6.00	3.50	3.00	2.50	4 x 13	3.50	3.80	4.90	.50
7.00	4.00	3.60	3.00	4 x 15	4.00	4.30	5.60	.50
8.40	5.00	4.65	4.00	4 x 18	5.00	5.40	6.75	.50
9.80	6.50	6.00	5.00	4 x 21	6.50	7.00	7.85	.50
11.10	7.50	7.00	6.00	4 x 24	7.50	8.10	9.00	.50
4.20	2.75	1.90	1.55	5 x 8	2.75	3.00	3.55	.50
4.70	2.90	1.90	1.55	5 x 9	2.90	3.15	4.00	.50
5.30	2.95	1.95	1.60	5 x 10	2.95	3.25	4.45	.50
5.90	3.25	2.15	1.75	5 x 11	3.25	3.50	4.90	.50
6.30	3.45	2.25	1.80	5 x 12	3.45	3.90	5.35	.50
6.80	4.25	3.10	2.60	5 x 13	4.25	4.60	5.75	.50
7.40	4.80	3.40	2.80	5 x 14	4.80	5.20	6.20	.50
7.90	5.60	4.30	3.60	5 x 15	5.60	6.10	6.65	.50
8.40	5.90	4.65	3.90	5 x 16	5.90	6.40	7.15	.50
8.90	6.20	5.00	4.20	5 x 17	6.20	6.80	7.55	.50
9.50	7.25	6.20	5.25	5 x 18	7.25	7.85	8.00	.50
3.40	2.70	1.80	1.50	6 x 6	2.70	3.00	3.60	.50
4.60	2.80	1.85	1.55	6 x 8	2.80	3.10	4.10	.50
5.10	2.95	1.90	1.60	6 x 9	2.95	3.40	4.60	.50
5.70	3.00	1.95	1.60	6 x 10	3.00	3.50	5.10	.50
6.80	3.50	2.25	1.85	6 x 12	3.50	4.20	6.15	.50
8.00	4.95	3.45	2.85	6 x 14	4.95	5.75	7.15	.50
9.10	6.00	4.80	4.00	6 x 16	6.00	6.90	8.20	.50
10.30	7.00	6.25	5.20	6 x 18	7.00	8.00	9.30	.50
11.40	8.20	7.20	6.00	6 x 20	8.20	9.30	10.25	.50
12.50	10.00	8.40	7.00	6 x 22	10.00	11.25	12.00	.50
14.00	12.00	9.60	8.00	6 x 24	12.00	13.30	14.00	.50
17.00	14.50	11.00	9.50	6 x 28	14.50	16.00	16.75	.50
18.50	16.50	13.00	11.50	6 x 30	16.50	18.25	19.00	.50
21.00	18.00	14.25	13.00	6 x 32	18.00	21.00	22.00	.50
4.75	2.90	1.90	1.55	7 x 7	2.90	3.50	4.25	.50
6.60	3.10	2.00	1.65	7 x 10	3.10	3.80	6.05	.50
7.90	3.60	2.30	1.90	7 x 12	3.60	4.35	7.35	.50
9.20	5.00	3.55	2.95	7 x 14	5.00	6.10	8.50	.50
9.90	5.90	4.50	3.75	7 x 15	5.90	6.90	9.10	.50

For Lists of Sizes, made in each design, see pages 4 to 10 inclusive

CAST, SEMI-STEEL OR ALL STEEL — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	If with Pulleys for Cord or Chain Add to List
5.50	3.00	1.95	1.60	8 x 8	3.00	3.70	5.60	.50
6.90	3.15	2.00	1.65	8 x 10	3.15	3.85	7.00	.50
8.30	3.65	2.30	1.90	8 x 12	3.65	4.40	8.60	.50
9.00	4.75	3.30	2.75	8 x 13	4.75	5.75	9.10	.50
9.70	5.10	3.60	3.00	8 x 14	5.10	6.20	9.80	.50
10.30	6.00	4.55	3.80	8 x 15	6.00	7.00	10.60	.50
11.20	6.75	5.40	4.50	8 x 16	6.75	8.00	11.20	.50
12.40	9.40	7.90	6.60	8 x 18	9.40	10.70	12.80	.50
13.50	11.70	10.40	8.70	8 x 20	11.70	13.00	14.00	.50
14.50	12.50	10.80	9.00	8 x 21	12.50	14.00	15.00	.50
17.50	15.25	12.40	11.25	8 x 24	15.25	17.00	18.00	.50
20.00	17.75	15.00	13.60	8 x 27	17.75	19.75	20.50	.50
21.60	19.50	16.30	14.70	8 x 30	19.50	21.60	22.25	.50
6.90	3.90	2.40	2.00	9 x 9	3.90	4.90	7.20	.50
9.10	4.00	2.55	2.10	9 x 12	4.00	5.10	9.60	.50
9.80	4.95	3.55	2.95	9 x 13	4.95	6.15	10.45	.50
10.60	5.20	3.70	3.10	9 x 14	5.20	6.50	11.20	.50
11.30	6.50	4.75	3.95	9 x 15	6.50	7.80	12.05	.50
12.10	7.15	5.65	4.70	9 x 16	7.15	8.55	12.80	.50
12.90	8.70	7.15	5.95	9 x 17	8.70	9.30	13.65	.50
13.60	9.35	8.00	6.65	9 x 18	9.35	11.00	14.45	.50
14.40	10.50	8.90	7.40	9 x 19	10.50	12.20	15.25	.50
15.10	11.85	10.25	8.75	9 x 20	11.85	13.65	16.10	.50
16.60	13.95	11.50	10.35	9 x 22	13.95	16.00	17.65	.50
18.25	16.00	13.20	12.00	9 x 24	16.00	18.10	19.25	.50
20.50	18.25	15.65	14.25	9 x 25	18.25	20.50	21.10	.50
21.65	19.25	16.75	15.25	9 x 26	19.25	21.65	22.10	.50
24.25	21.75	18.00	16.35	9 x 28	21.75	24.25	25.15	.50
25.25	22.50	19.25	17.50	9 x 30	22.50	25.25	26.20	.50
8.20	4.35	2.85	2.35	10 x 10	4.35	5.35	9.50	.50
9.80	4.40	2.90	2.40	10 x 12	4.40	5.50	11.00	.50
11.50	5.25	3.80	3.15	10 x 14	5.25	6.55	12.65	.50
13.10	7.20	5.85	4.85	10 x 16	7.20	8.60	14.45	.50
14.80	9.45	8.05	6.70	10 x 18	9.45	11.00	16.10	.50
16.40	12.00	10.50	8.90	10 x 20	12.00	13.80	18.00	.50
18.50	14.50	12.00	10.40	10 x 22	14.50	16.50	20.50	.50
21.00	16.25	13.40	12.15	10 x 24	16.25	18.50	21.70	.50
30.00	25.50	21.45	19.50	10 x 30	25.50	28.00	29.00	.50
15.30	8.95	7.55	6.30	11 x 17	8.95	10.50	17.15	.50
16.20	9.50	8.10	6.75	11 x 18	9.50	11.15	19.00	.50
18.00	12.00	10.75	8.95	11 x 20	12.00	14.00	20.80	.50
11.80	6.35	4.80	4.00	12 x 12	6.35	7.90	13.75	.50
13.80	6.85	5.25	4.35	12 x 14	6.85	8.25	16.10	.50
14.80	7.00	5.40	4.50	12 x 15	7.00	8.50	16.80	.50
15.80	8.25	6.70	5.60	12 x 16	8.25	9.75	18.00	.50
16.70	9.00	7.60	6.35	12 x 17	9.00	10.60	19.10	.50
17.70	9.55	8.15	6.80	12 x 18	9.55	11.25	20.50	.50
18.70	10.35	9.00	7.50	12 x 19	10.35	12.25	21.35	.50
20.00	12.20	10.80	9.00	12 x 20	12.20	14.10	22.40	.50
23.25	16.30	13.50	12.25	12 x 24	16.30	18.60	26.95	.50
30.00	26.00	22.00	20.00	12 x 30	26.00	29.00	33.65	.50
34.50	31.50	26.95	24.50	12 x 32	31.50	34.50	35.90	.50
38.25	33.75	29.40	26.75	12 x 36	33.75	36.25	40.40	.50
50.00	45.00	38.50	35.00	12 x 40	45.00	50.00	45.50	.50

For Lists of Sizes, made in each design, see pages 4 to 10 inclusive

CAST, SEMI-STEEL OR ALL STEEL — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	If with Pulleys for Cord or Chain Add to List
16.20	11.00	9.45	7.90	14 x 14	11.00	14.30	19.00	1.00
17.30	11.25	9.90	8.25	14 x 15	11.25	15.30	20.35	1.00
18.40	11.50	10.20	8.50	14 x 16	11.50	16.50	21.70	1.00
20.10	12.00	10.80	9.00	14 x 18	12.00	18.50	24.50	1.00
23.30	13.00	11.25	9.50	14 x 20	13.00	20.50	27.10	1.00
27.40	14.50	12.00	10.50	14 x 22	14.50	22.50	29.85	1.00
29.50	19.50	16.40	14.90	14 x 24	19.50	26.00	32.50	1.00
69.50	60.00	50.60	46.00	14 x 48	60.00	69.50	71.00	1.00
18.50	14.00	11.25	10.00	15 x 15	14.00	17.00	21.70	1.00
26.50	16.85	13.75	12.50	15 x 21	16.85	25.00	32.75	1.00
31.00	23.00	19.25	17.50	15 x 25	23.00	31.00	36.90	1.00
37.50	33.00	30.25	27.50	15 x 30	33.00	37.50	46.35	1.00
46.00	41.25	34.90	31.75	15 x 34	41.25	46.00	50.20	1.00
21.20	15.00	12.20	11.00	16 x 16	15.00	19.75	25.15	1.00
23.80	16.20	13.20	12.00	16 x 18	16.20	22.25	29.00	1.00
26.30	16.55	13.60	12.35	16 x 20	16.55	24.60	32.75	1.00
29.00	19.50	16.20	14.75	16 x 22	19.50	28.00	35.40	1.00
31.60	20.00	16.50	15.00	16 x 24	20.00	29.60	38.65	1.00
36.70	30.80	27.05	24.60	16 x 28	30.80	35.00	45.10	1.00
39.40	35.00	30.70	27.90	16 x 30	35.00	37.50	48.30	1.00
42.50	38.25	34.10	31.00	16 x 32	38.25	42.00	51.00	1.00
50.00	45.00	39.60	36.00	16 x 36	45.00	50.00	57.00	1.00
26.60	23.75	20.35	18.50	18 x 18	23.75	26.00	33.65	1.00
30.00	24.75	21.45	19.50	18 x 20	24.75	29.00	36.00	1.00
32.10	26.00	22.55	20.50	18 x 21	26.00	30.00	39.30	1.00
35.50	27.75	23.65	21.50	18 x 24	27.75	34.25	44.95	1.00
39.90	35.00	30.25	27.50	18 x 27	35.00	39.00	50.20	1.00
44.30	38.00	34.35	31.25	18 x 30	38.00	43.00	56.15	1.00
54.10	48.50	41.80	38.00	18 x 36	48.50	54.00	67.35	1.00
32.50	24.75	21.75	19.75	20 x 20	24.75	32.40	43.90	1.00
35.70	27.60	23.75	21.60	20 x 22	27.60	35.70	48.30	1.00
39.00	28.20	24.20	22.00	20 x 24	28.20	39.00	51.50	1.00
42.00	32.00	25.85	23.50	20 x 26	32.00	42.00	55.75	1.00
45.50	37.40	31.80	28.90	20 x 28	37.40	45.50	60.00	1.00
49.00	43.00	36.85	33.50	20 x 30	43.00	49.00	64.35	1.00
52.00	48.50	41.25	37.50	20 x 32	48.50	52.00	68.65	1.00
59.00	54.00	47.30	43.00	20 x 36	54.00	59.00	77.20	1.00
37.00	31.00	26.95	24.50	21 x 21	31.00	37.00	48.30	1.00
44.00	35.50	30.80	28.00	21 x 25	35.50	44.00	57.00	1.00
52.00	40.50	31.90	29.00	21 x 29	40.50	52.00	66.35	1.00
58.00	52.00	46.20	42.00	21 x 33	52.00	56.50	75.45	1.00
65.00	60.00	53.90	49.00	21 x 37	60.00	65.00	84.65	1.00
74.00	67.00	59.40	54.00	21 x 39	67.00	74.00	89.20	1.00
41.00	36.50	31.35	28.50	22 x 22	36.50	41.00	52.70	1.00
44.00	37.90	32.45	29.50	22 x 24	37.90	44.00	57.00	1.00
48.00	41.00	34.10	31.00	22 x 26	41.00	48.00	62.70	1.00
52.00	44.00	37.30	33.90	22 x 28	44.00	52.00	67.10	1.00
55.00	46.50	39.60	36.00	22 x 30	46.50	55.00	71.90	1.00
59.00	54.00	46.20	42.00	22 x 32	54.00	59.00	76.65	1.00
66.00	60.50	52.25	47.50	22 x 36	60.50	66.00	86.25	1.00
70.00	65.50	57.20	52.00	22 x 38	65.50	70.00	91.00	1.00
82.50	75.00	70.40	64.00	22 x 42	75.00	82.50	105.00	1.00
49.00	40.00	33.00	30.00	24 x 24	40.00	49.00	66.35	1.00
56.00	45.00	37.35	33.95	24 x 27	45.00	56.00	74.00	1 00

For List of Sizes, made in each design, see pages 4 to 10 inclusive

CAST, SEMI-STEEL OR ALL STEEL — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	If with Pulleys for Cord or Chain Add to List
62.00	50.00	41.80	38.00	24 x 30	50.00	62.00	82.00	1.00
66.00	55.50	46.75	42.50	24 x 32	55.50	66.00	86.25	1.00
74.00	65.50	55.00	50.00	24 x 36	65.50	74.00	98.40	1.00
92.00	89.50	74.25	67.50	24 x 45	89.50	92.00	123.00	1.00
66.00	49.25	40.95	37.25	27 x 27	49.25	66.00	86.25	1.00
94.00	76.00	61.60	56.00	27 x 38	76.00	94.00	121.90	1.00
72.00	57.50	48.40	44.00	28 x 28	57.50	72.00	93.15	1.00
77.00	61.50	53.35	48.50	28 x 30	61.50	76.00	94.30	1.00
84.00	68.00	58.30	53.00	28 x 32	68.00	84.00	106.40	1.00
92.00	86.00	70.40	64.00	28 x 36	86.00	92.00	119.75	1.00
85.00	65.00	53.90	49.00	30 x 30	65.00	85.00	111.35	1.00
102.00	90.00	74.25	67.50	30 x 36	90.00	102.00	128.15	1.00
119.00	102.00	85.25	77.50	30 x 42	102.00	119.00	156.00	1.00
136.00	124.00	104.50	95.00	30 x 48	124.00	136.00	178.20	1.00
127.00	105.00	88.00	80.00	36 x 36	105.00	127.00	156.00	1.00
142.00	135.00	115.50	105.00	36 x 40	135.00	142.00	178.20	1.00
150.00	143.00	123.20	112.00	36 x 42	143.00	150.00	184.00	1.00
173.00	168.00	145.20	132.00	36 x 48	168.00	173.00	207.40	1.00
145.00	130.00	110.00	100.00	38 x 38	130.00	145.00	178.20	1.00
153.00	142.00	123.20	112.00	38 x 40	142.00	153.00	184.00	1.00
160.00	155.00	132.00	120.00	38 x 42	155.00	160.00	192.50	1.00

The Extreme Dimension "B" varies with the size of the register from $1\frac{1}{8}$" to $2\frac{3}{8}$" larger than the opening size (see note, page 27).

Unless otherwise stated we assume that all sizes specified on orders are the opening sizes "A."

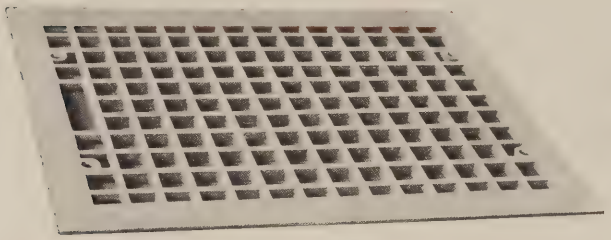
Special finishes to match woodwork or hardware can be furnished in electroplate if a sample of either accompanies the order.

For information in regard to Special Design Registers, see page 65.

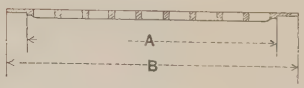
Wrought Steel Registers are furnished in almost any size in addition to sizes in this list. Prices can be readily approximated or will be furnished upon application.

REGISTER FACES

CAST OR STEEL — ALL FINISHES



SECTION



CAST OR STEEL — ALL FINISHES

Price List

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Approximate Extreme Size B See note page 27
2.70	1.15	.85	.55	4½ x 6½	1.15	1.35	2.20	5 5/8 x 7 5/8
3.05	1.30	.90	.60	4 x 8	1.30	1.50	2.35	5¼ x 9¼
3.40	1.60	1.10	.75	4 x 10	1.60	1.80	3.00	5¼ x 11¼
5.00	2.15	1.35	.95	4 x 12	2.15	2.45	3.60	5¼ x 13¼
5.40	2.60	1.50	1.10	4 x 13	2.60	2.90	3.85	5¼ x 14¼
6.30	2.70	1.80	1.20	4 x 15	2.70	3.00	4.35	5¼ x 16 3/16
7.55	3.20	1.95	1.30	4 x 18	3.20	3.60	5.30	5¼ x 19¼
8.80	4.25	3.25	2.25	4 x 21	4.25	4.75	6.05	5¼ x 22 3/16
10.00	4.75	3.75	2.75	4 x 24	4.75	5.35	6.95	5¼ x 25¼
3.80	2.10	1.25	.90	5 x 8	2.10	2.35	2.80	6 5/16 x 9 5/16
4.25	2.30	1.30	1.00	5 x 9	2.30	2.50	3.20	6 5/16 x 10 5/16
4.80	2.40	1.40	1.05	5 x 10	2.40	2.70	3.50	6 5/16 x 11 5/16
5.30	2.60	1.50	1.10	5 x 11	2.60	2.85	3.85	6 5/16 x 12 5/16
5.65	2.85	1.60	1.20	5 x 12	2.85	3.30	4.25	6 5/16 x 13 5/16
6.10	3.00	1.85	1.35	5 x 13	3.00	3.50	4.55	6 5/16 x 14 5/16
6.65	3.50	2.00	1.50	5 x 14	3.50	3.90	4.95	6 5/16 x 15 5/16
7.10	3.65	2.35	1.65	5 x 15	3.65	4.15	5.25	6 5/16 x 16 5/16
7.55	3.80	2.55	1.80	5 x 16	3.80	4.30	5.65	6 5/16 x 17 5/16
8.00	4.00	2.80	2.00	5 x 17	4.00	4.60	6.00	6 5/16 x 18 5/16
8.55	4.10	3.15	2.10	5 x 18	4.10	4.75	6.25	6 5/16 x 19 5/16
3.05	2.10	1.20	.90	6 x 6	2.10	2.40	2.90	7 11/16 x 7 11/16
4.15	2.25	1.30	1.00	6 x 8	2.25	2.50	3.30	7 11/16 x 9 11/16
4.60	2.40	1.35	1.05	6 x 9	2.40	2.85	3.70	7 11/16 x 10 11/16
5.15	2.45	1.40	1.05	6 x 10	2.45	2.95	4.05	7 11/16 x 11 11/16
6.10	2.90	1.60	1.25	6 x 12	2.90	3.60	4.90	7 11/16 x 13 11/16
7.20	3.75	2.10	1.65	6 x 14	3.75	4.50	5.65	7 11/16 x 15 11/16
8.20	4.00	2.80	2.00	6 x 16	4.00	4.90	6.50	7 11/16 x 17 11/16
9.25	4.50	3.30	2.25	6 x 18	4.50	5.50	7.35	7 11/16 x 19 11/16
10.25	4.75	3.70	2.50	6 x 20	4.75	5.85	8.15	7 11/16 x 21 11/16
11.25	6.00	4.40	3.00	6 x 22	6.00	7.25	9.50	7 11/16 x 23 11/16
12.60	7.00	5.30	3.70	6 x 24	7.00	8.30	12.00	7 11/16 x 25 11/16
15.30	8.00	5.75	4.25	6 x 28	8.00	9.50	14.20	7 11/16 x 29 5/8
16.65	8.90	6.25	4.75	6 x 30	8.90	10.65	16.00	7 11/16 x 31 5/8
18.90	9.50	6.50	5.25	6 x 32	9.50	12.50	18.50	7 11/16 x 33 5/8
4.30	2.35	1.35	1.00	7 x 7	2.35	2.95	3.40	8 11/16 x 8 11/16
5.95	2.55	1.40	1.10	7 x 10	2.55	3.25	4.85	8 11/16 x 11 11/16
7.10	2.95	1.65	1.25	7 x 12	2.95	3.70	6.00	8 11/16 x 13 11/16
8.30	3.95	2.50	1.90	7 x 14	3.95	5.00	6.85	8 11/16 x 15 5/8
8.90	4.70	3.30	2.55	7 x 15	4.70	5.70	7.30	8 11/16 x 16 5/8

For Lists of Sizes, made in each design, see pages 4 to 10 inclusive

CAST OR STEEL — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Approximate Extreme Size B See note page 27
4.95	2.45	1.40	1.05	8 x 8	2.45	3.15	4.35	9¾ x 9¾
6.20	2.60	1.45	1.10	8 x 10	2.60	3.30	5.55	9¾ x 11¾
7.45	3.05	1.70	1.30	8 x 12	3.05	3.75	6.90	9¾ x 13¾
8.10	3.85	2.40	1.85	8 x 13	3.85	4.85	7.30	9¾ x 14 11/16
8.70	3.95	2.60	2.00	8 x 14	3.95	5.10	8.10	9¾ x 15 11/16
9.25	4.80	3.35	2.60	8 x 15	4.80	5.80	8.65	9¾ x 16 11/16
10.10	5.00	3.60	2.70	8 x 16	5.00	6.25	9.25	9¾ x 17 11/16
11.15	6.00	4.80	3.50	8 x 18	6.00	7.30	10.60	9¾ x 19¾
12.15	6.90	5.60	3.90	8 x 20	6.90	8.25	12.00	9¾ x 21¾
13.05	7.50	5.80	4.00	8 x 21	7.50	9.00	13.80	9¾ x 22¾
15.75	8.70	6.00	4.70	8 x 24	8.70	10.50	15.60	9¾ x 25¾
18.00	9.55	6.80	5.40	8 x 27	9.55	11.50	17.30	9¾ x 28 11/16
19.45	10.50	7.90	6.30	8 x 30	10.50	12.60	18.65	9¾ x 31 11/16
6.20	3.30	1.80	1.40	9 x 9	3.30	4.30	5.95	10⅞ x 10⅞
8.20	3.35	1.90	1.45	9 x 12	3.35	4.45	8.00	10⅞ x 13⅞
8.80	4.00	2.55	2.00	9 x 13	4.00	5.20	8.60	10⅞ x 14⅞
9.55	4.25	2.75	2.15	9 x 14	4.25	5.50	9.25	10⅞ x 15⅞
10.15	4.90	3.45	2.65	9 x 15	4.90	6.20	10.00	10⅞ x 16 13/16
10.90	5.15	3.65	2.70	9 x 16	5.15	6.55	10.60	10⅞ x 17 13/16
11.60	6.00	4.65	3.25	9 x 17	6.00	7.60	11.25	10⅞ x 18 13/16
12.25	6.30	4.95	3.60	9 x 18	6.30	7.95	12.45	10⅞ x 19⅞
12.95	7.05	5.40	3.95	9 x 19	7.05	8.75	13.90	10⅞ x 20⅞
13.60	7.40	5.65	4.30	9 x 20	7.40	9.20	14.00	10⅞ x 21⅞
14.95	8.10	6.15	4.50	9 x 22	8.10	10.15	14.65	10⅞ x 23⅞
16.40	9.30	6.50	5.30	9 x 24	9.30	11.40	16.10	10⅞ x 25⅞
18.45	10.00	7.40	6.00	9 x 25	10.00	12.25	17.50	10⅞ x 26⅞
19.50	10.25	7.85	6.35	9 x 26	10.25	12.65	18.60	10⅞ x 27⅞
21.85	11.90	8.45	6.80	9 x 28	11.90	14.40	21.00	10⅞ x 29 13/16
22.75	12.10	8.85	7.10	9 x 30	12.10	14.80	22.50	10⅞ x 31 13/16
7.40	3.65	2.15	1.65	10 x 10	3.65	4.65	7.50	11 15/16 x 11 15/16
8.80	3.70	2.20	1.70	10 x 12	3.70	4.80	9.15	11 15/16 x 13 15/16
10.35	4.30	2.85	2.20	10 x 14	4.30	5.60	10.55	11 15/16 x 15 15/16
11.80	5.30	3.95	2.95	10 x 16	5.30	6.70	12.45	11 15/16 x 17⅞
13.30	6.45	5.05	3.70	10 x 18	6.45	8.00	14.00	11 15/16 x 19⅞
14.75	7.50	5.75	4.35	10 x 20	7.50	9.30	15.60	11 15/16 x 21⅞
16.65	9.00	6.25	4.90	10 x 22	9.00	11.00	17.30	11 15/16 x 23⅞
18.90	9.45	6.60	5.35	10 x 24	9.45	12.00	18.25	11 15/16 x 25⅞
27.00	14.00	9.95	8.00	10 x 30	14.00	16.75	24.80	11 15/16 x 31⅞
13.75	6.40	4.95	3.70	11 x 17	6.40	8.00	14.45	13 x 18 15/16
14.60	6.70	5.30	3.95	11 x 18	6.70	8.25	16.00	13 x 19 15/16
16.20	7.50	6.25	4.45	11 x 20	7.50	9.40	17.40	13 x 21 15/16
10.60	5.05	3.50	2.70	12 x 12	5.05	6.60	11.45	14 1/16 x 14 1/16
12.40	5.35	3.65	2.80	12 x 14	5.35	6.75	14.00	14 1/16 x 16 1/16
13.30	5.40	3.80	2.90	12 x 15	5.40	6.90	14.25	14 1/16 x 17
14.20	6.15	4.60	3.50	12 x 16	6.15	7.65	15.60	14 1/16 x 18
15.00	6.45	5.05	3.80	12 x 17	6.45	8.05	16.05	14 1/16 x 19
15.90	6.65	5.25	3.90	12 x 18	6.65	8.35	17.30	14 1/16 x 20
16.80	6.85	5.50	4.00	12 x 19	6.85	8.75	18.10	14 1/16 x 21
18.00	7.60	6.30	4.50	12 x 20	7.60	9.50	19.00	14 1/16 x 22
20.95	9.55	6.75	5.50	12 x 24	9.55	12.10	22.80	14 1/16 x 26
27.00	14.20	10.20	8.20	12 x 30	14.20	18.00	28.50	14 1/16 x 32
31.00	16.75	12.20	9.75	12 x 32	16.75	20.00	30.40	14 1/16 x 34
34.45	17.75	12.90	10.25	12 x 36	17.75	23.25	34.25	14 1/16 x 38
45.00	25.00	19.00	15.50	12 x 40	25.00	33.00	37.40	14 1/16 x 42

For Lists of Sizes, made in each design, see pages 4 to 10 inclusive

CAST OR STEEL — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Approximate Extreme Size B See note page 27
14.60	7.15	5.60	4.05	14 x 14	7.15	9.60	16.00	16¼ x 16¼
15.55	7.25	5.85	4.20	14 x 15	7.25	10.00	17.25	16¼ x 17 5/16
16.55	7.30	6.00	4.30	14 x 16	7.30	11.00	18.25	16¼ x 18 5/16
18.10	7.50	6.30	4.50	14 x 18	7.50	12.00	20.50	16¼ x 20 5/16
20.95	8.50	6.40	4.80	14 x 20	8.50	13.00	23.10	16¼ x 22 5/16
24.65	9.00	6.50	5.00	14 x 22	9.00	14.50	25.45	16¼ x 24¼
26.55	11.50	8.40	6.90	14 x 24	11.50	16.50	27.50	16¼ x 26¼
62.55	35.25	24.60	20.00	14 x 48	35.25	46.50	59.00	16¼ x 50 3/16
16.65	8.90	6.15	4.90	15 x 15	8.90	11.90	18.25	17¼ x 17¼
23.85	10.50	7.45	6.20	15 x 21	10.50	16.25	28.00	17¼ x 23¼
27.90	12.60	8.85	7.10	15 x 25	12.60	20.00	31.50	17¼ x 27¼
33.75	18.00	13.20	10.75	15 x 30	18.00	25.00	39.90	17¼ x 32¼
41.40	23.25	16.90	13.75	15 x 34	23.25	30.50	42.90	17¼ x 36¼
19.05	9.10	6.20	5.10	16 x 16	9.10	12.80	21.00	18 5/16 x 18 5/16
21.40	9.50	6.50	5.30	16 x 18	9.50	14.25	24.80	18 5/16 x 20 5/16
23.65	10.30	7.35	6.10	16 x 20	10.30	16.00	28.00	18 5/16 x 22 5/16
26.10	11.50	8.15	6.70	16 x 22	11.50	18.00	30.20	18 5/16 x 24 5/16
28.45	12.00	8.50	7.00	16 x 24	12.00	19.25	33.00	18 5/16 x 26 5/16
33.05	16.20	12.45	10.00	16 x 28	16.20	22.75	37.20	18 5/16 x 30 5/16
35.45	18.25	13.80	11.00	16 x 30	18.25	25.00	41.15	18 5/16 x 32 5/16
38.25	20.35	16.20	13.10	16 x 32	20.35	27.50	43.40	18 5/16 x 34 5/16
45.00	25.00	19.60	16.00	16 x 36	25.00	33.00	48.00	18 5/16 x 38 5/16
23.95	12.45	9.05	7.20	18 x 18	12.45	16.50	28.50	20 5/16 x 20 5/16
27.00	12.85	9.55	7.60	18 x 20	12.85	18.00	30.50	20 5/16 x 22 5/16
28.90	13.25	9.80	7.75	18 x 21	13.25	19.00	33.70	20 5/16 x 23 5/16
31.95	14.60	10.50	8.35	18 x 24	14.60	22.50	37.00	20 5/16 x 26 5/16
35.90	18.25	13.50	10.75	18 x 27	18.25	25.50	42.90	20 5/16 x 29 5/16
39.85	21.00	16.35	13.25	18 x 30	21.00	28.50	47.75	20 5/16 x 32¼
48.70	28.10	21.05	17.25	18 x 36	28.10	36.00	57.75	20 5/16 x 38¼
29.25	13.00	10.00	8.00	20 x 20	13.00	21.20	36.75	22 3/8 x 22 3/8
32.15	14.40	10.55	8.40	20 x 22	14.40	23.50	41.15	22 3/8 x 24 3/8
35.10	14.80	10.80	8.60	20 x 24	14.80	25.50	44.00	22 3/8 x 26 3/8
37.80	17.50	11.85	9.50	20 x 26	17.50	27.50	47.00	22 3/8 x 28 3/8
40.95	20.00	14.40	11.50	20 x 28	20.00	30.00	49.75	22 3/8 x 30 3/8
44.10	23.50	16.85	13.50	20 x 30	23.50	32.50	55.10	22 3/8 x 32 3/8
46.80	28.10	20.85	17.10	20 x 32	28.10	34.00	58.00	22 3/8 x 34 3/8
53.10	29.50	22.80	18.50	20 x 36	29.50	39.00	66.15	22 3/8 x 38 3/8
29.60	16.25	12.20	9.75	21 x 21	16.25	24.75	41.15	23 3/8 x 23 3/8
35.20	18.60	13.90	11.10	21 x 25	18.60	29.00	48.00	23 3/8 x 27 3/8
41.60	22.20	14.50	11.60	21 x 29	22.20	34.00	56.75	23 3/8 x 31 3/8
46.40	29.35	22.10	17.90	21 x 33	29.35	37.25	65.00	23 3/8 x 35 3/8
52.00	35.00	26.40	21.50	21 x 37	35.00	43.50	72.65	23 3/8 x 39 3/8
59.20	38.50	30.30	24.90	21 x 39	38.50	50.00	76.60	23 3/8 x 41 3/8
32.80	19.40	14.25	11.40	22 x 22	19.40	27.00	45.00	24 3/8 x 24 3/8
35.20	20.20	14.75	11.80	22 x 24	20.20	29.00	48.00	24 3/8 x 26 3/8
38.40	23.00	16.20	13.10	22 x 26	23.00	32.00	50.00	24 3/8 x 28 3/8
41.60	24.00	17.30	13.90	22 x 28	24.00	34.00	57.50	24 3/8 x 30 3/8
44.00	26.50	19.60	16.00	22 x 30	26.50	36.50	61.70	24 3/8 x 32 3/8
47.20	29.50	21.70	17.50	22 x 32	29.50	39.00	66.00	24 3/8 x 34 3/8
52.80	35.00	25.25	20.50	22 x 36	35.00	44.50	75.00	24 3/8 x 38 3/8
56.00	37.50	27.70	22.50	22 x 38	37.50	47.00	78.00	24 3/8 x 40 3/8
66.00	43.00	33.40	27.00	22 x 42	43.00	53.50	86.40	24 3/8 x 44 3/8
39.20	22.00	15.00	12.00	24 x 24	22.00	32.50	56.75	26 3/8 x 26 3/8
44.80	25.00	17.40	14.00	24 x 27	25.00	37.00	64.00	26 3/8 x 29 3/8

For Lists of Sizes, made in each design, see pages 4 to 10 inclusive

CAST OR STEEL — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING A	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Approximate Extreme Size B See note below
49.60	29.25	21.05	17.25	**24 x 30**	29.25	41.50	70.00	26⅜ x 32⅜
52.00	31.00	22.25	18.00	**24 x 32**	31.00	44.50	75.00	26⅜ x 34⅜
59.20	37.50	27.00	22.00	**24 x 36**	37.50	50.30	85.10	26⅜ x 38⅜
73.60	50.50	35.25	28.50	**24 x 45**	50.50	63.00	106.00	26⅜ x 47⅜
52.80	29.00	20.70	17.00	**27 x 27**	29.00	44.50	75.00	29⅜ x 29⅜
75.20	45.00	30.60	25.00	**27 x 38**	45.00	64.00	104.50	29⅜ x 40⅜
57.60	32.50	23.40	19.00	**28 x 28**	32.50	49.00	80.00	30⅜ x 30⅜
61.60	35.50	25.85	21.00	**28 x 30**	35.50	52.50	81.00	30⅜ x 32⅜
67.20	39.50	29.80	24.50	**28 x 32**	39.50	55.00	92.00	30⅜ x 34⅜
73.60	49.00	33.40	27.00	**28 x 36**	49.00	63.00	102.00	30⅜ x 38⅜
68.00	37.00	26.40	21.50	**30 x 30**	37.00	56.00	97.00	32⅜ x 32⅜
81.60	51.00	35.25	28.50	**30 x 36**	51.00	70.00	110.00	32⅜ x 38⅜
95.20	57.50	40.75	33.00	**30 x 42**	57.50	87.00	135.15	32⅜ x 44⅜
108.80	68.00	48.50	39.00	**30 x 48**	68.00	94.00	155.00	32⅜ x 50⅜
101.60	60.00	43.00	35.00	**36 x 36**	60.00	83.00	135.15	38⅜ x 38⅜
113.60	74.00	54.50	44.00	**36 x 40**	74.00	95.00	155.00	38⅜ x 42⅜
120.00	77.00	57.20	46.00	**36 x 42**	77.00	96.50	160.00	38⅜ x 44⅜
138.40	90.00	67.20	54.00	**36 x 48**	90.00	103.00	178.00	38⅜ x 50⅜
116.00	71.00	53.50	43.50	**38 x 38**	71.00	95.50	155.00	40⅜ x 40⅜
122.40	76.00	57.20	46.00	**38 x 40**	76.00	97.00	160.00	40⅜ x 42⅜
128.00	85.00	62.00	50.00	**38 x 42**	85.00	100.00	165.00	40⅜ x 44⅜

Note that extreme size "B" as given in last column of this list is *approximate only*. We do not guarantee that goods will be of these dimensions unless specifically called for on orders, and when so ordered, an extra charge will be made for making exact catalogue extremes or special extremes. Brass and Bronze metal faces are slightly smaller than Cast Iron.

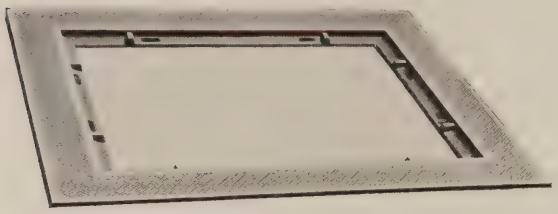
If so ordered, faces of any design can be furnished without the wheel slot or frame holes that usually occur in the fretwork (see also Grilles, pages 51 to 55).

If so ordered, countersunk holes will be drilled in the rims and flat head wood screws furnished to match the finish of the face, without extra charge.

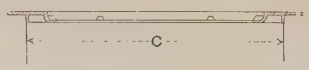
Special finishes to match woodwork or hardware can be furnished in electroplate.

FLOOR BORDERS

CAST IN IRON, BRONZE OR BRASS — ALL FINISHES



SECTION



CAST

Price List

ALL FINISHES

White Porcelain Enamel	Gold Bronzed	Black Japanned	TO FIT REGISTER SIZE	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Floor Opening C See note page 31
2.70	1.75	1.15	4½ x 6½	1.75	2.10	5.40	7 5/8 x 9 9/16
3.05	1.85	1.15	4 x 8	1.85	2.15	5.65	7 1/8 x 11 1/16
3.40	2.00	1.15	4 x 10	2.00	2.40	6.60	7 1/8 x 13 1/16
5.00	2.55	1.35	4 x 12	2.55	3.00	7.50	7 1/8 x 15 1/16
5.40	3.25	1.75	4 x 13	3.25	3.75	8.05	7 1/8 x 16 1/16
6.30	3.40	1.90	4 x 15	3.40	4.00	8.95	7 1/8 x 18 1/16
7.55	4.65	2.75	4 x 18	4.65	5.00	9.95	7 1/8 x 21 1/16
8.80	5.15	3.15	4 x 21	5.15	6.00	10.80	7 1/8 x 24 1/16
10.00	5.75	3.75	4 x 24	5.75	7.00	11.50	7 1/8 x 27 1/16
3.80	2.35	1.15	5 x 8	2.35	2.90	6.15	8 1/8 x 11 1/8
4.25	2.50	1.20	5 x 9	2.50	3.10	6.65	8 1/8 x 12 1/8
4.80	2.55	1.20	5 x 10	2.55	3.25	7.15	8 1/8 x 13 1/8
5.30	2.80	1.30	5 x 11	2.80	3.50	8.05	8 1/8 x 14 1/8
5.65	3.00	1.40	5 x 12	3.00	3.75	8.20	8 1/8 x 15 1/8
6.10	3.45	1.80	5 x 13	3.45	4.00	9.00	8 1/8 x 16 1/8
6.65	3.90	1.90	5 x 14	3.90	4.50	9.20	8 1/8 x 17 1/8
7.10	4.00	2.00	5 x 15	4.00	4.90	9.50	8 1/8 x 18 1/8
7.55	4.60	2.60	5 x 16	4.60	5.60	10.05	8 1/8 x 19 1/8
8.00	4.70	2.70	5 x 17	4.70	5.80	10.15	8 1/8 x 20 1/8
8.55	5.20	3.20	5 x 18	5.20	6.30	10.95	8 1/8 x 21 1/8
3.05	2.35	1.15	6 x 6	2.35	2.95	6.25	9 9/16 x 9 9/16
4.15	2.40	1.15	6 x 8	2.40	3.00	6.70	9 9/16 x 11 9/16
4.60	2.55	1.20	6 x 9	2.55	3.45	7.55	9 9/16 x 12 9/16
5.15	2.60	1.20	6 x 10	2.60	3.60	8.10	9 9/16 x 13 9/16
6.10	3.10	1.45	6 x 12	3.10	4.10	9.15	9 9/16 x 15 9/16
7.20	4.00	1.90	6 x 14	4.00	5.30	10.05	9 9/16 x 17 9/16
8.20	4.70	2.70	6 x 16	4.70	6.10	11.00	9 9/16 x 19 9/16
9.25	5.50	3.25	6 x 18	5.50	7.00	11.75	9 9/16 x 21 9/16
10.25	5.80	3.50	6 x 20	5.80	7.40	12.50	9 9/16 x 23 9/16
11.25	6.95	3.95	6 x 22	6.95	8.65	13.45	9 9/16 x 25 9/16
12.60	7.50	4.50	6 x 24	7.50	9.30	14.40	9 9/16 x 27 9/16
15.30	9.00	5.40	6 x 28	9.00	11.00	16.35	9 9/16 x 31 9/16
16.65	10.00	6.00	6 x 30	10.00	12.10	17.80	9 9/16 x 33 9/16
18.90	10.50	6.50	6 x 32	10.50	12.60	18.80	9 9/16 x 35 9/16
4.30	2.55	1.20	7 x 7	2.55	3.55	6.75	10 9/16 x 10 9/16
5.95	2.70	1.25	7 x 10	2.70	3.80	9.10	10 9/16 x 13 9/16
7.10	3.20	1.50	7 x 12	3.20	4.35	10.20	10 9/16 x 15 9/16
8.30	3.95	1.90	7 x 14	3.95	5.50	11.05	10 9/16 x 17 9/16
8.90	4.70	2.55	7 x 15	4.70	6.30	11.65	10 9/16 x 18 9/16

For Designs, see page 18

CAST IN IRON, BRONZE OR BRASS — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	Black Japanned	TO FIT REGISTER SIZE	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Floor Opening C See note page 31
4.95	2.60	1.20	8 x 8	2.60	3.65	8.95	11 7/8 x 11 7/8
6.20	2.75	1.25	8 x 10	2.75	3.90	10.00	11 7/8 x 13 7/8
7.45	3.25	1.50	8 x 12	3.25	4.40	11.10	11 7/8 x 15 7/8
8.10	3.85	1.85	8 x 13	3.85	5.30	11.65	11 7/8 x 16 7/8
8.70	3.95	2.00	8 x 14	3.95	5.60	12.10	11 7/8 x 17 7/8
9.25	4.80	2.60	8 x 15	4.80	6.40	12.65	11 7/8 x 18 7/8
10.10	5.00	2.70	8 x 16	5.00	7.00	12.90	11 7/8 x 19 7/8
11.15	6.00	3.50	8 x 18	6.00	8.00	13.65	11 7/8 x 21 7/8
12.15	6.90	3.90	8 x 20	6.90	9.00	14.40	11 7/8 x 23 7/8
13.05	7.50	4.00	8 x 21	7.50	9.70	16.15	11 7/8 x 24 7/8
15.75	8.70	4.70	8 x 24	8.70	11.10	17.70	11 7/8 x 27 7/8
18.00	9.55	5.40	8 x 27	9.55	12.20	18.00	11 7/8 x 30 7/8
19.45	10.50	6.30	8 x 30	10.50	13.50	19.00	11 7/8 x 33 7/8
6.20	3.50	1.60	9 x 9	3.50	4.75	10.10	13 1/16 x 13 1/16
8.20	3.55	1.65	9 x 12	3.55	5.00	12.00	13 1/16 x 16 1/16
8.80	4.00	2.00	9 x 13	4.00	5.70	12.60	13 1/16 x 17 1/16
9.55	4.25	2.15	9 x 14	4.25	5.95	12.90	13 1/16 x 18 1/16
10.15	5.20	2.65	9 x 15	5.20	7.00	13.50	13 1/16 x 19 1/16
10.90	5.30	2.70	9 x 16	5.30	7.10	13.65	13 1/16 x 20 1/16
11.60	6.00	3.25	9 x 17	6.00	8.00	13.70	13 1/16 x 21 1/16
12.25	6.30	3.60	9 x 18	6.30	8.40	14.50	13 1/16 x 22 1/16
12.95	7.05	3.95	9 x 19	7.05	9.15	16.20	13 1/16 x 23 1/16
13.60	7.40	4.30	9 x 20	7.40	9.70	16.30	13 1/16 x 24 1/16
14.95	8.10	4.50	9 x 22	8.10	10.50	16.60	13 1/16 x 26 1/16
16.40	9.30	5.30	9 x 24	9.30	11.90	17.90	13 1/16 x 28 1/16
18.45	10.00	6.00	9 x 25	10.00	12.50	18.20	13 1/16 x 29 1/16
19.50	10.25	6.25	9 x 26	10.25	12.90	18.90	13 1/16 x 30 1/16
21.85	11.90	6.50	9 x 28	11.90	14.80	21.00	13 1/16 x 32 1/16
22.75	12.10	7.10	9 x 30	12.10	15.10	22.00	13 1/16 x 34 1/16
7.40	3.70	1.70	10 x 10	3.70	5.20	11.80	14 3/16 x 14 3/16
8.80	3.75	1.75	10 x 12	3.75	5.35	12.80	14 3/16 x 16 3/16
10.35	4.30	2.20	10 x 14	4.30	6.00	13.60	14 3/16 x 18 3/16
11.80	5.30	2.95	10 x 16	5.30	7.20	14.50	14 3/16 x 20 3/16
13.30	6.45	3.70	10 x 18	6.45	8.55	16.30	14 3/16 x 22 3/16
14.75	7.50	4.35	10 x 20	7.50	9.80	17.70	14 3/16 x 24 3/16
16.65	9.00	4.90	10 x 22	9.00	11.00	18.00	14 3/16 x 26 3/16
18.90	9.45	5.35	10 x 24	9.45	12.15	18.70	14 3/16 x 28 3/16
27.00	14.00	8.00	10 x 30	14.00	17.00	23.50	14 3/16 x 34 3/16
13.75	6.40	3.70	11 x 17	6.40	8.60	16.50	15 1/4 x 21 1/4
14.60	6.70	3.95	11 x 18	6.70	8.95	17.80	15 1/4 x 22 1/4
16.20	7.50	4.45	11 x 20	7.50	9.80	18.10	15 1/4 x 24 1/4
10.60	5.05	2.70	12 x 12	5.05	7.10	14.15	16 7/16 x 16 7/16
12.40	5.35	2.80	12 x 14	5.35	7.35	16.30	16 7/16 x 18 7/16
13.30	5.40	2.90	12 x 15	5.40	7.60	16.40	16 7/16 x 19 7/16
14.20	6.15	3.50	12 x 16	6.15	8.25	17.70	16 7/16 x 20 7/16
15.00	6.45	3.80	12 x 17	6.45	8.65	17.85	16 7/16 x 21 7/16
15.90	6.65	3.90	12 x 18	6.65	9.00	18.00	16 7/16 x 22 7/16
16.80	6.85	4.00	12 x 19	6.85	9.25	18.25	16 7/16 x 23 7/16
18.00	7.60	4.50	12 x 20	7.60	9.90	19.10	16 7/16 x 24 7/16
20.95	9.55	5.50	12 x 24	9.55	12.25	22.15	16 7/16 x 28 7/16
27.00	14.20	8.20	12 x 30	14.20	17.00	24.75	16 7/16 x 34 7/16
31.00	16.75	9.75	12 x 32	16.75	20.00	25.95	16 7/16 x 36 7/16
34.45	17.75	10.25	12 x 36	17.75	21.50	28.25	16 7/16 x 40 7/16
45.00	25.00	15.50	12 x 40	25.00	27.00	29.85	16 7/16 x 44 7/16

For Designs, see page 18

CAST IN IRON, BRONZE OR BRASS — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	Black Japanned	TO FIT REGISTER SIZE	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Floor Opening C See note page 31
14.60	7.15	4.05	14 x 14	7.15	10.00	17.80	18 15/16 x 18 15/16
15.55	7.25	4.20	14 x 15	7.25	10.50	17.95	18 15/16 x 19 15/16
16.55	7.30	4.30	14 x 16	7.30	11.00	18.70	18 15/16 x 20 15/16
18.10	7.50	4.50	14 x 18	7.50	12.15	20.50	18 15/16 x 22 15/16
20.95	8.50	4.80	14 x 20	8.50	12.75	22.50	18 15/16 x 24 15/16
24.65	9.00	5.00	14 x 22	9.00	13.50	23.60	18 15/16 x 26 15/16
26.55	11.50	6.90	14 x 24	11.50	15.00	23.65	18 15/16 x 28 15/16
62.55	31.65	20.00	14 x 48	31.65	35.75	42.00	18 15/16 x 52 15/16
16.65	8.90	4.90	15 x 15	8.90	12.00	18.70	19 3/4 x 19 3/4
23.85	10.50	6.20	15 x 21	10.50	14.50	24.25	19 3/4 x 25 3/4
27.90	12.60	7.10	15 x 25	12.60	18.50	27.00	19 3/4 x 29 3/4
33.75	18.00	10.75	15 x 30	18.00	21.60	31.00	19 3/4 x 34 3/4
41.40	23.25	13.75	15 x 34	23.25	25.00	32.50	19 3/4 x 38 3/4
19.05	9.10	5.10	16 x 16	9.10	12.50	21.00	20 7/8 x 20 7/8
21.40	9.50	5.30	16 x 18	9.50	13.25	23.50	20 7/8 x 22 7/8
23.65	10.30	6.10	16 x 20	10.30	14.00	24.25	20 7/8 x 24 7/8
26.10	11.50	6.70	16 x 22	11.50	16.00	25.55	20 7/8 x 26 7/8
28.45	12.00	7.00	16 x 24	12.00	17.10	27.60	20 7/8 x 28 7/8
33.05	16.20	10.00	16 x 28	16.20	18.80	29.75	20 7/8 x 32 7/8
35.45	18.25	11.00	16 x 30	18.25	21.60	31.50	20 7/8 x 34 7/8
38.25	20.35	13.10	16 x 32	20.35	22.00	33.35	20 7/8 x 36 7/8
45.00	25.00	16.00	16 x 36	25.00	27.00	35.00	20 7/8 x 40 7/8
23.95	12.45	7.20	18 x 18	12.45	15.00	24.75	22 15/16 x 22 15/16
27.00	12.85	7.60	18 x 20	12.85	17.00	26.20	22 15/16 x 24 15/16
28.90	13.25	7.75	18 x 21	13.25	18.00	27.65	22 15/16 x 25 15/16
31.95	14.60	8.35	18 x 24	14.60	18.75	29.50	22 15/16 x 28 15/16
35.90	18.25	10.75	18 x 27	18.25	21.70	32.50	22 15/16 x 31 15/16
39.85	21.00	13.25	18 x 30	21.00	22.70	34.75	22 15/16 x 34 15/16
48.70	26.00	17.25	18 x 36	26.00	28.00	38.30	22 15/16 x 40 15/16
29.25	13.00	8.00	20 x 20	13.00	18.10	29.00	25 1/8 x 25 1/8
32.15	14.40	8.40	20 x 22	14.40	19.00	31.50	25 1/8 x 27 1/8
35.10	14.80	8.60	20 x 24	14.80	21.70	33.50	25 1/8 x 29 1/8
37.80	17.50	9.50	20 x 26	17.50	22.00	34.65	25 1/8 x 31 1/8
40.95	20.00	11.50	20 x 28	20.00	24.50	36.00	25 1/8 x 33 1/8
44.10	23.50	13.50	20 x 30	23.50	26.00	37.00	25 1/8 x 35 1/8
46.80	26.00	17.10	20 x 32	26.00	27.50	39.00	25 1/8 x 37 1/8
53.10	28.50	18.50	20 x 36	28.50	31.50	50.00	25 1/8 x 41 1/8
29.60	16.25	9.75	21 x 21	16.25	21.00	31.50	26 1/2 x 26 1/2
35.20	18.60	11.10	21 x 25	18.60	23.00	35.00	26 1/2 x 30 1/2
41.60	22.20	11.60	21 x 29	22.20	27.50	37.30	26 1/2 x 34 1/2
46.40	28.35	17.90	21 x 33	28.35	31.00	48.50	26 1/2 x 38 1/2
52.00	31.65	21.50	21 x 37	31.65	33.50	55.00	26 1/2 x 42 1/2
59.20	34.50	24.90	21 x 39	34.50	36.50	58.50	26 1/2 x 44 1/2
32.80	19.40	11.40	22 x 22	19.40	21.75	34.50	27 1/2 x 27 1/2
35.20	20.20	11.80	22 x 24	20.20	23.00	35.00	27 1/2 x 29 1/2
38.40	23.00	13.10	22 x 26	23.00	25.50	36.50	27 1/2 x 31 1/2
41.60	24.00	13.90	22 x 28	24.00	27.50	38.00	27 1/2 x 33 1/2
44.00	25.50	16.00	22 x 30	25.50	28.75	43.10	27 1/2 x 35 1/2
47.20	28.50	17.50	22 x 32	28.50	31.50	49.25	27 1/2 x 37 1/2
52.80	31.75	20.50	22 x 36	31.75	34.00	57.00	27 1/2 x 41 1/2
56.00	34.25	22.50	22 x 38	34.25	36.00	60.00	27 1/2 x 43 1/2
66.00	35.00	27.00	22 x 42	35.00	39.50	65.00	27 1/2 x 47 1/2
39.20	22.00	12.00	24 x 24	22.00	26.00	37.30	29 1/2 x 29 1/2
44.80	25.00	14.00	24 x 27	25.00	29.00	47.50	29 1/2 x 32 1/2

For Designs, see page 18

CAST IN IRON, BRONZE OR BRASS — ALL FINISHES

White Porcelain Enamel	Gold Bronzed	Black Japanned	TO FIT REGISTER SIZE	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	Floor Opening C See note below
49.60	28.25	17.25	24 x 30	28.25	32.00	54.00	29½ x 35½
52.00	30.00	18.00	24 x 32	30.00	34.00	57.00	29½ x 37½
59.20	34.25	22.00	24 x 36	34.25	36.50	64.00	29½ x 41½
73.60	40.00	28.50	24 x 45	40.00	45.00	80.00	29½ x 50½
52.80	28.00	17.00	27 x 27	28.00	34.00	57.00	32½ x 32½
75.20	36.00	25.00	27 x 38	36.00	46.00	78.00	32½ x 43½
57.60	31.00	19.00	28 x 28	31.00	36.40	62.00	33½ x 33½
61.60	32.00	21.00	28 x 30	32.00	37.00	63.00	33½ x 35½
67.20	35.00	24.50	28 x 32	35.00	40.50	69.00	33½ x 37½
73.60	37.00	27.00	28 x 36	37.00	45.00	76.00	33½ x 41½
68.00	34.00	21.50	30 x 30	34.00	41.00	74.00	35½ x 35½
81.60	41.00	28.50	30 x 36	41.00	48.00	83.00	35½ x 41½
95.20	50.50	29.00	30 x 42	50.50	60.00	110.00	35½ x 47½
108.80	60.00	31.00	30 x 48	60.00	72.00	125.00	35½ x 53½
101.60	54.50	29.50	36 x 36	54.50	66.00	110.00	41½ x 41½
113.60	62.10	32.10	36 x 40	62.10	76.00	125.00	41½ x 45½
120.00	65.00	34.00	36 x 42	65.00	80.50	130.00	41½ x 47½
138.40	76.00	40.00	36 x 48	76.00	87.00	167.00	41½ x 53½
116.00	59.50	32.00	38 x 38	59.50	77.00	125.00	43½ x 43½
122.40	64.00	34.00	38 x 40	64.00	81.50	130.00	43½ x 45½
128.00	71.00	36.00	38 x 42	71.00	83.50	135.00	43½ x 47½

If so ordered, cast borders can be furnished flat on the back without the rib "C" which marks the floor opening, and should be specified as "Ribless."

Slate Borders

Shipped only at Buyer's Risk.

For Register	Slate	For Register	Slate	For Register	Slate	For Register	Slate	For Register	Slate	For Register	Slate
6 x 8	.90	8 x 12	1.30	10 x 16	2.40	12 x 20	3.65	16 x 24	8.15	6″	1.50
6 x 9	.95	8 x 15	1.75	10 x 18	2.80	12 x 24	4.25	18 x 24	8.65	7″	1.60
6 x 10	1.00	8 x 18	2.00	10 x 20	3.00	14 x 14	3.30	20 x 20	8.15	8″	1.70
6 x 14	1.30	9 x 9	1.25	12 x 12	2.00	14 x 16	3.70	20 x 24	9.00	9″	1.80
6 x 16	1.50	9 x 12	1.65	12 x 14	2.30	14 x 18	4.00	20 x 26	9.40	10″	2.00
6 x 18	1.70	9 x 13	1.70	12 x 15	2.45	14 x 20	4.50	21 x 29	10.50	12″	2.40
7 x 7	1.00	9 x 14	1.75	12 x 16	2.65	14 x 22	4.70	24 x 24	11.00	14″	3.00
7 x 10	1.10	10 x 10	1.60	12 x 17	2.80	15 x 25	7.00	27 x 27	11.50	16″	4.00
8 x 8	1.05	10 x 12	1.70	12 x 18	3.00	16 x 16	5.00	27 x 38	13.00	18″	5.00
8 x 10	1.15	10 x 14	1.85	12 x 19	3.20	16 x 20	6.25	30 x 30	15.00	20″	6.50
										24″	10.00

Slate Borders 2 Inches Thick, for Round Gratings

18″	6.50	21″	7.50	24″	10.50	28″	13.50	30″	17.75	36″	28.00

Price List

Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
2.25	1.95	1.65	4½ x 6½	2.25	2.45	3.00
3.30	2.35	2.05	6 x 8	3.30	3.60	4.60
3.50	2.45	2.10	6 x 10	3.50	4.00	5.60
3.40	2.40	2.05	7 x 7	3.40	4.00	4.75
3.60	2.50	2.15	7 x 10	3.60	3.80	6.55
3.50	2.45	2.10	8 x 8	3.50	4.20	6.10
3.65	2.50	2.15	8 x 10	3.65	4.35	7.50
4.15	2.80	2.40	8 x 12	4.15	4.90	9.10
6.50	5.05	4.30	8 x 15	6.50	7.50	11.10
4.50	3.05	2.60	9 x 12	4.50	5.60	10.10
5.70	4.20	3.60	9 x 14	5.70	7.00	11.70
4.85	3.35	2.85	10 x 10	4.85	5.85	10.00
4.90	3.40	2.90	10 x 12	4.90	6.00	11.50
5.75	4.30	3.65	10 x 14	5.75	6.05	13.15
7.70	6.35	5.35	10 x 16	7.70	9.10	14.95
6.85	5.30	4.50	12 x 12	6.85	8.40	14.25
7.50	5.90	5.00	12 x 15	7.50	9.00	17.30
9.50	8.10	6.85	12 x 17	9.50	11.10	19.60
10.85	9.50	8.00	12 x 19	10.85	12.75	21.85
15.50	13.00	11.50	14 x 22	15.50	23.50	30.85

ROUND

Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
2.50	1.75	1.50	4″	2.50	2.90	3.40
2.80	1.95	1.65	5″	2.80	3.10	3.60
3.00	2.15	1.85	5½″	3.00	3.30	3.90
3.20	2.30	2.00	6″	3.20	3.50	4.10
3.40	2.40	2.05	7″	3.40	4.00	5.10
3.50	2.45	2.10	8″	3.50	4.20	6.10
4.40	2.90	2.50	9″	4.40	5.40	7.70

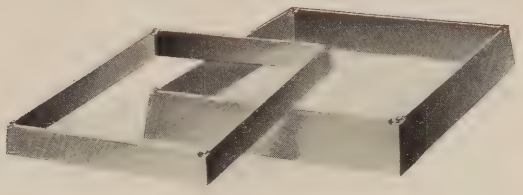
Self-indicating ventilators do not require pulleys or other additional fixtures in order to operate by cord. (See page 17).

For Prices of Cord and Indicating Handles, see page 16

CAST IRON

REVERSE BEVELED

For Use in Brick Walls



Made 2″ or 4″ Deep

Price List

To Fit Register	2 in. Deep	4 in. Deep	To Fit Register	2 in. Deep	4 in. Deep	To Fit Register	2 in. Deep	4 in. Deep	To Fit Register	2 in. Deep	4 in. Deep
4½ x 6½	.80	1.30	7 x 7	1.00	1.70	10 x 10	1.50	2.50	16 x 20		5.00
4 x 8	.90	1.40	7 x 10	1.20	2.10	10 x 12	1.70	2.80	16 x 22		5.30
4 x 10	1.00	1.70	7 x 12	1.30	2.30	10 x 14	1.80	3.00	16 x 24		5.50
4 x 12	1.20	1.90	7 x 14	1.50	2.50	10 x 16	2.00	3.30	16 x 28		6.10
4 x 13	1.25	2.00	7 x 15	1.55	2.60	10 x 18	2.10	3.50	16 x 32		6.70
4 x 15	1.40	2.30	8 x 8	1.10	1.90	10 x 20	2.30	3.80	18 x 18		5.20
4 x 18	1.60	2.60	8 x 10	1.30	2.20	10 x 22	2.50	4.20	18 x 20		5.50
4 x 21	1.80	3.00	8 x 12	1.40	2.40	10 x 24	2.60	4.30	18 x 21		5.60
4 x 24	2.00	3.40	8 x 13	1.50	2.50	10 x 30	3.00	5.00	18 x 24		6.00
5 x 8	.90	1.60	8 x 14	1.55	2.60	11 x 17	2.30	3.60	18 x 27		6.40
5 x 9	1.00	1.70	8 x 15	1.60	2.80	11 x 18	2.35	3.70	18 x 30		6.80
5 x 10	1.10	1.80	8 x 16	1.70	2.90	11 x 20	2.50	4.00	18 x 36		7.80
5 x 11	1.20	1.90	8 x 18	1.80	3.10	12 x 12	2.00	3.10	20 x 20		5.90
5 x 12	1.25	2.00	8 x 20	1.90	3.40	12 x 14	2.20	3.40	20 x 22		6.30
5 x 13	1.30	2.20	8 x 21	2.00	3.50	12 x 15	2.30	3.50	20 x 24		6.60
5 x 14	1.40	2.30	8 x 24	2.30	3.80	12 x 16	2.40	3.60	20 x 26		6.90
5 x 15	1.45	2.40	8 x 27	2.50	4.20	12 x 17	2.50	3.80	20 x 28		7.10
5 x 16	1.50	2.50	8 x 30	2.70	4.60	12 x 18	2.60	3.90	20 x 30		7.50
5 x 17	1.60	2.60	9 x 9	1.30	2.20	12 x 19	2.65	4.00	20 x 32		7.70
5 x 18	1.70	2.80	9 x 12	1.50	2.60	12 x 20	2.70	4.20	20 x 36		8.50
6 x 6	.90	1.40	9 x 13	1.60	2.70	12 x 24	3.00	4.70	21 x 29		7.70
6 x 8	1.00	1.70	9 x 14	1.70	2.80	12 x 30	3.50	5.50	21 x 37		8.90
6 x 9	1.10	1.80	9 x 15	1.75	2.90	12 x 32	3.70	5.70	24 x 24		7.20
6 x 10	1.20	1.90	9 x 16	1.80	3.10	12 x 36	4.00	6.30	24 x 27		7.80
6 x 12	1.30	2.20	9 x 17	1.90	3.20	12 x 40	4.70	7.20	24 x 30		8.10
6 x 14	1.40	2.40	9 x 18	2.00	3.30	14 x 14	2.60	3.80	24 x 32		8.60
6 x 16	1.60	2.70	9 x 19	2.05	3.40	14 x 15	2.70	3.90	24 x 36		9.10
6 x 18	1.70	2.90	9 x 20	2.10	3.50	14 x 16	2.80	4.10	24 x 45		10.50
6 x 20	1.90	3.10	9 x 22	2.20	3.80	14 x 18	3.00	4.30	27 x 27		8.10
6 x 22	2.00	3.40	9 x 24	2.40	4.00	14 x 20	3.10	4.60	27 x 38		9.90
6 x 24	2.20	3.60	9 x 25	2.50	4.20	14 x 22	3.30	4.80	30 x 30		9.00
6 x 28	2.50	4.10	9 x 26	2.55	4.30	15 x 25		5.50	30 x 36		10.00
6 x 30	2.60	4.30	9 x 28	2.70	4.50	16 x 16		4.40	36 x 36		11.00
6 x 32	2.70	4.60	9 x 30	2.80	4.80	16 x 18		4.70			

Cast iron wall frames furnish the only means of securely holding registers in place in brick walls. They are solidly masoned into the brickwork, and the registers, being attached by screws, can be removed at any time without injury to the walls.

To prevent breakage in shipping, large-sized Wall Frames are furnished in sections ready to be bolted together, and above prices cover these frames in that condition.

Price List

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
4.30	2.70	2.40	2.00	4 x 8	2.70	3.30	4.40
5.70	3.45	2.65	2.20	6 x 8	3.45	4.20	5.80
6.65	3.70	2.95	2.30	6 x 10	3.70	4.45	6.95
8.15	4.30	3.20	2.65	6 x 12	4.30	5.55	8.50
7.80	3.85	2.85	2.35	7 x 10	3.85	5.00	8.10
7.80	3.80	2.85	2.35	8 x 8	3.80	5.00	8.10
8.15	3.90	2.90	2.40	8 x 10	3.90	5.10	8.50
9.65	4.45	3.25	2.70	8 x 12	4.45	5.75	10.20
11.90	6.70	5.40	4.50	8 x 15	6.70	8.60	12.50
13.70	10.00	8.70	7.25	8 x 18	10.00	12.00	14.45
8.40	4.80	3.50	2.90	9 x 9	4.80	6.40	8.80
10.60	4.90	3.60	3.00	9 x 12	4.90	6.60	11.25
12.20	6.10	4.70	3.90	9 x 14	6.10	8.10	12.90
10.00	5.45	4.15	3.45	10 x 10	5.45	7.15	10.65
11.90	5.75	4.50	3.75	10 x 12	5.75	7.60	12.50
14.35	7.10	6.00	5.00	10 x 14	7.10	9.40	15.20
17.00	9.60	8.70	7.25	10 x 16	9.60	12.45	18.10
17.10	9.45	8.55	7.10	12 x 12	9.45	12.50	18.20
18.35	9.90	8.90	7.40	12 x 14	9.90	12.80	19.50
19.30	10.00	9.00	7.50	12 x 15	10.00	13.00	20.55
21.00	11.40	10.50	8.75	12 x 16	11.40	15.00	22.50
21.80	13.20	12.00	10.00	12 x 17	13.20	15.70	23.40
23.20	14.50	13.25	11.20	12 x 18	14.50	16.75	24.90
24.70	15.90	14.50	12.50	12 x 19	15.90	18.25	26.75
27.80	18.00	16.50	14.50	12 x 20	18.00	21.90	29.80
32.40	22.00	20.00	17.50	12 x 24	22.00	27.75	34.65
22.00	17.50	16.00	14.00	14 x 14	17.50	20.00	23.90
24.00	18.60	17.00	15.00	14 x 16	18.60	22.00	26.20
25.85	20.00	18.25	16.00	14 x 18	20.00	24.25	27.85
26.50	21.25	19.25	17.00	14 x 20	21.25	25.25	28.50
29.00	22.75	20.50	18.00	14 x 22	22.75	28.00	31.10
32.00	25.00	22.50	20.00	16 x 20	25.00	31.50	34.25
38.50	32.00	29.00	26.00	16 x 24	32.00	38.50	41.00
41.00	33.00	30.00	27.00	18 x 21	33.00	41.00	44.00
44.00	36.00	33.00	30.00	18 x 24	36.00	44.00	48.50
43.00	35.50	32.50	28.50	20 x 20	35.50	43.00	47.00
60.00	50.00	46.00	40.00	24 x 24	50.00	60.00	70.00

The Convex Register is designed for use where the flue is shallow, the register being only 1¼″ deep when open.

The face is convex, preventing the hot air from discoloring the wall, and the operating movement is the vertical wheel.

For Lists of Sizes, made in each design, see page 11

Price List

REGISTERS—CONVEX CIRCULAR TOP—CROWN DESIGN

Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
4.65	3.50	2.95	8 x 12	4.65	6.00	10.20
5.20	4.00	3.30	9 x 12	5.20	7.00	11.25
7.60	6.50	5.50	10 x 14	7.60	10.00	15.20

REGISTERS, CIRCULAR TOP CARVED, FLORENTINE OR DAISY DESIGNS

Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
3.30	2.30	1.90	7 x 10	3.30	4.00	6.05
4.00	2.80	2.35	8 x 12	4.00	4.75	8.60
5.50	4.20	3.50	8 x 14	5.50	6.60	9.80
4.75	3.15	2.65	9 x 12	4.75	5.70	9.60
6.00	4.90	4.10	10 x 14	6.00	7.25	12.65
9.00	7.60	6.35	11 x 16	9.00	11.50	16.50
10.50	9.40	8.00	12 x 18	10.50	14.00	20.50
20.50	20.50	18.00	16 x 22	20.50	30.00	35.40
8.50	7.00	6.00	High 11 x 13 Wide	8.50	10.50	15.00
12.00	10.20	8.50	High 13 x 15 Wide	12.00	13.50	16.50
18.75	16.70	14.50	High 16 x 17 Wide	18.75	24.00	29.00

WALL BORDERS, CIRCULAR TOP—CROWN DESIGN

Gold Bronzed	White Japanned	Black Japanned	TO FIT REGISTER SIZE	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
2.20	2.00	1.60	7 x 10	2.20	2.90	6.25
2.60	2.50	2.00	8 x 12	2.60	3.50	10.50
2.80	2.75	2.20	9 x 12	2.80	3.90	11.75
3.40	3.25	2.60	10 x 14	3.40	4.60	13.80
3.90	3.75	3.00	11 x 16	3.90	5.40	15.00
4.50	4.25	3.40	12 x 18	4.50	6.30	18.00

For Sizes, made in each design, see pages 12 and 19

COMPLETE REGISTERS — Price List

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Brass or Bronze Metal	If with Pulleys for Cord or Chain Add to List
3.40	2.70	1.80	1.50	6″	2.70	3.00	3.60	.50
4.40	2.90	1.90	1.55	7″	2.90	3.50	4.60	.50
5.50	3.00	1.95	1.60	8″	3.00	3.70	5.60	.50
6.90	3.90	2.40	2.00	9″	3.90	4.90	7.20	.50
8.20	4.35	2.85	2.35	10″	4.35	5.35	9.50	.50
11.80	6.35	4.80	4.00	12″	6.35	7.90	13.75	.50
16.20	11.00	9.45	7.90	14″	11.00	14.30	19.00	1.00
21.20	15.00	12.20	11.00	16″	15.00	19.75	25.15	1.00
26.60	23.75	20.35	18.50	18″	23.75	26.00	33.65	1.00
32.50	24.75	21.75	19.75	20″	24.75	32.40	43.90	1.00
49.00	40.00	33.00	30.00	24″	40.00	49.00	66.35	1.00
72.00	57.50	48.40	44.00	28″	57.50	72.00	93.15	1.00
85.00	65.00	53.90	49.00	30″	65.00	85.00	111.35	1.00
127.00	105.00	88.00	80.00	36″	105.00	127.00	156.00	1.00

FACES

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	SIZE OF OPENING	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Brass or Bronze Metal	Approximate Extreme Size see note page 27
2.05	2.10	1.20	.90	6″	2.10	2.40	3.05	7¼″
3.90	2.35	1.35	1.00	7″	2.35	2.95	4.00	8⅜″
4.85	2.45	1.40	1.05	8″	2.45	3.15	5.00	9⅜″
5.90	3.30	1.80	1.40	9″	3.30	4.30	6.10	10⅝″
7.30	3.65	2.15	1.65	10″	3.65	4.65	7.50	11⅝″
10.60	5.05	3.50	2.70	12″	5.05	6.60	11.45	13¾″
14.60	7.15	5.60	4.05	14″	7.15	9.60	16.00	15⅝″
19.05	9.10	6.20	5.10	16″	9.10	12.80	21.00	17⅞″
23.95	12.45	9.05	7.20	18″	12.45	16.50	28.50	19⅞″
29.25	13.00	10.00	8.00	20″	13.00	21.20	36.75	21⅞″
32.50	22.00	15.00	12.00	24″	22.00	32.50	56.75	26½″
49.00	32.50	23.40	19.00	28″	32.50	49.00	80.00	30⅜″
56.00	37.00	26.40	21.50	30″	37.00	56.00	97.00	32″
83.00	60.00	43.00	35.00	36″	60.00	83.00	135.15	38⅜″

HEAVY ROUND GRATINGS BLACK JAPANNED

SIZE OF OPENING	Grating	Border	Design of Grating
30″	21.50	21.50	Persian or Indian Lattice
33″	28.25	25.50	Florentine
36″	35.00	29.50	Florentine, Persian or Indian Lattice
42″	48.00	37.50	Persian
48″	60.00	45.00	Florentine

ROUND REGISTERS WITH SQUARE FACES

SIZE OF OPENING	Black Japanned	White Japanned
7″	2.00	2.40
8″	2.50	3.00
9″	3.10	3.70
10″	3.70	4.50
12″	5.30	6.35

For Designs, see pages 13 and 19

ROUND FLOOR BORDERS

CAST IN IRON, BRONZE OR BRASS — ALL FINISHES

Price List

White Porcelain Enamel	Gold Bronzed	White Japanned	Black Japanned	TO FIT REGISTER SIZE	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Brass or Bronze Metal	Floor Opening Size
3.05	2.35	1.35	1.15	6″	2.35	2.95	6.25	9½″
4.30	2.55	1.50	1.20	7″	2.55	3.55	6.75	10⅞″
4.95	2.60	1.50	1.20	8″	2.60	3.65	8.95	12⅜″
6.20	3.50	1.80	1.60	9″	3.50	4.75	10.10	13⅜″
7.40	3.70	2.15	1.70	10″	3.70	5.20	11.80	14½″
10.60	5.05	3.50	2.70	12″	5.05	7.10	14.15	16¾″
14.60	7.15	5.60	4.05	14″	7.15	10.00	17.80	18⅞″
19.05	9.10	6.20	5.10	16″	9.10	12.50	21.00	21¼″
23.95	12.45	9.05	7.20	18″	12.45	15.00	24.75	23⅝″
28.25	13.00	10.00	8.00	20″	13.00	18.10	29.00	24⅝″
32.50	22.00	15.00	12.00	24″	22.00	26.00	37.30	29¼″
49.00	31.00	23.40	19.00	28″	31.00	36.40	62.00	33 3/16″
56.00	34.00	26.40	21.50	30″	34.00	41.00	74.00	36 13/16″
83.00	54.50	43.00	29.50	36″	54.50	66.00	110.00	44¼″

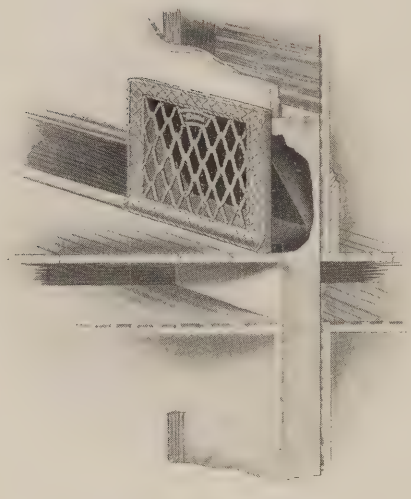
For cut of Round Border, see page 19

LOCK REGISTERS (Key Operating Type)

CAST IN IRON, BRONZE OR BRASS — ALL FINISHES

White Jap'd	Black Jap'd	SIZE OF OPENING	Electro-Plated Brass, Bronze or Copper	Solid Brass or Bronze Metal	White Jap'd	Black Jap'd	SIZE OF OPENING	Electro-Plated Brass, Bronze or Copper	Solid Brass or Bronze Metal
3.80	3.50	6 x 6	5.00	4.60	6.80	6.00	12 x 12	9.90	14.75
3.85	3.55	6 x 8	5.10	5.10	7.25	6.35	12 x 14	10.25	17.10
3.95	3.60	6 x 10	5.50	6.10	7.40	6.50	12 x 15	10.50	17.80
4.25	3.85	6 x 12	6.20	7.15	8.70	7.60	12 x 16	11.75	19.00
5.45	4.85	6 x 14	7.75	8.15	9.60	8.35	12 x 17	12.60	20.10
6.80	6.00	6 x 16	8.90	9.20	10.15	8.80	12 x 18	13.25	21.50
8.25	7.20	6 x 18	10.00	10.30	11.00	9.50	12 x 19	14.25	22.35
9.20	8.00	6 x 20	11.30	11.25	12.80	11.00	12 x 20	16.10	23.40
11.60	10.00	6 x 24	15.30	15.00	15.50	14.25	12 x 24	20.60	27.95
3.95	3.60	8 x 8	5.70	6.60	11.45	9.90	14 x 14	16.30	20.00
4.00	3.65	8 x 10	5.85	8.00	12.20	10.50	14 x 16	18.50	22.70
4.30	3.90	8 x 12	6.40	9.60	12.80	11.00	14 x 18	20.50	25.50
6.55	5.80	8 x 15	9.00	11.60	13.25	11.50	14 x 20	22.50	28.10
7.40	6.50	8 x 16	10.00	12.20	14.00	12.50	14 x 22	24.50	30.85
9.90	8.60	8 x 18	12.70	13.80	14.20	13.00	16 x 16	21.75	26.15
14.40	13.25	8 x 24	19.00	19.00	15.20	14.00	16 x 18	24.25	30.00
4.40	4.00	9 x 9	6.90	8.20	15.60	14.35	16 x 20	26.60	33.75
4.55	4.10	9 x 12	7.10	10.60	18.20	16.75	16 x 22	30.00	36.40
5.70	5.10	9 x 14	8.50	12.20	18.50	17.00	16 x 24	31.60	39.65
7.65	6.70	9 x 16	10.55	13.80	36.10	33.00	16 x 32	44.00	52.00
10.00	8.65	9 x 18	13.00	15.45	24.55	22.50	18 x 21	32.00	40.30
12.25	10.75	9 x 20	15.65	17.10	25.65	23.50	18 x 24	36.25	45.95
4.85	4.35	10 x 10	7.35	10.50	32.25	29.50	18 x 27	41.00	51.20
4.90	4.40	10 x 12	7.50	12.00	26.20	24.00	20 x 24	41.00	52.50
5.80	5.15	10 x 14	8.55	13.65	27.85	25.50	20 x 26	44.00	56.75
7.85	6.85	10 x 16	10.60	15.45	43.25	39.50	20 x 32	54.00	69.65
10.05	8.70	10 x 18	13.00	17.10	35.00	32.00	24 x 24	51.00	67.35
12.50	10.90	10 x 20	15.80	19.00	43.80	40.00	24 x 30	64.00	83.00

For Designs, see page 15



The "BABY" Baseboard Register —in use on second floor with a regular stackhead (can be used also on first floor—see page 42 for list prices and page 47 for general information).

The "SPECIAL" Baseboard Register—in use on first floor with "KX Special" stackhead (can be used also on second floor—see page 41 for list prices and page 45 for general information).

The "MOORISH WAFER" Sidewall Register—in use on second floor in Sidewall with a regular stackhead (see page 50 for list prices and general information).

The "IMPERIAL" Baseboard Register—in use on first floor with "KX Imperial" stackhead (can be used also on second floor—see page 42 for list prices and page 46 for general information).

Single Valve Registers

For Baseboard and Sidewall Heating

THE effort to secure a shallow flue register which will admit of the largest possible outlet of heated air, has resulted in the construction of Baseboard Registers, the main features of which are illustrated on the opposite page.

To cover all requirements for Baseboard Heating we offer these registers to take Stackheads varying from 2 to 5 inches deeper than the Studding.

THE "DEFIANCE"
THE "SPECIAL"
THE "IMPERIAL"
THE "BABY"

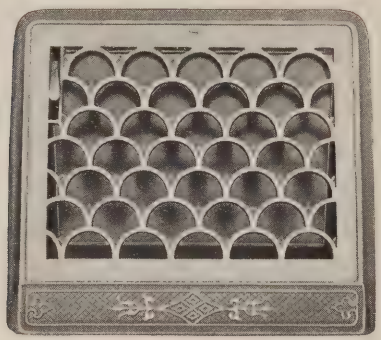
The furnace pipe manufacturers, co-operating with us in an effort to standardize, have made their boxes to fit these two styles. All Registers are described in detail in the following pages.

In many cases Single Valve Wafer Registers are used in second and third stories, owing to their being only 1 inch deep when closed and being especially adapted for very shallow flues. Wafer Registers are made of cast iron or of wrought steel, the former being of handsome design and more durable, the latter having the advantage of lighter weight in shipping. Both styles of Wafer Registers are also described in the following pages.

The tables on pages 44 to 47 give the comparative sizes and square inch capacities of Baseboard Registers, Round Pipes and Stackheads where the Registers are used on the first floor allowing the use of Stackheads deeper than the studding. (These Baseboard Registers can also be used on the second floor with style "M" or style "O" Stackheads.)

The "Special"

T. & B. "Special" Baseboard Registers are made in three styles—Cast, Semi-Steel and All-Steel as described below. They all fit the same stackhead which has a throat opening approximately 3 inches deeper than the studding.

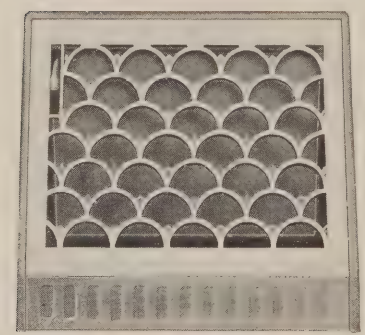


CAST—SCALE DESIGN

CAST—SCALE DESIGN

This Register has a Cast Iron Face and Cast Iron Frame. If so ordered it is provided with a Wall Line which may be set when the heater pipes are installed. Extra charge for Wall Line is 15 cents each net.

For List of Sizes and Prices, see opposite page



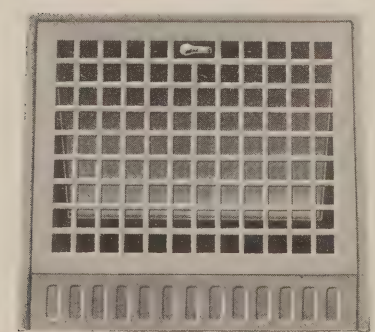
SEMI-STEEL—SCALE DESIGN

SEMI-STEEL—SCALE DESIGN

This Register has a Cast Iron Face and Steel Frame. It has the advantage of the Ornamental Face with large air openings combined with the light weight of the Steel Frame.

It is equipped with the new "Air-tight" Fastener.

For List of Sizes and Prices, see opposite page



ALL STEEL—PLAIN LATTICE DESIGN

ALL STEEL—PLAIN LATTICE DESIGN

This Register is made of All Wrought Steel throughout. It is light in weight and the Plain Lattice Design has a larger free-air opening in the Face than any other Steel Baseboard Register. It is not, however, as open as the Scale Design shown above.

It is equipped with the new "Air-tight" Fastener.

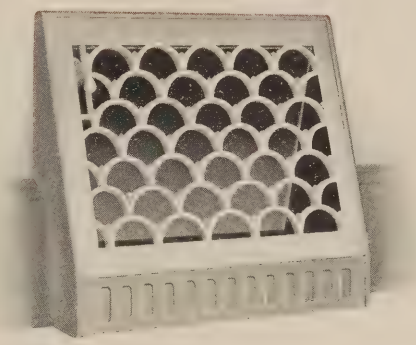
For List of Sizes and Prices, see opposite page

For List Prices, see opposite page. For Capacities and General Information, see page 45
For Stackheads and Boots, see pages 48 and 49

The "Defiance"

This Register is designed to fit a stack-head 8 inches deep. It takes the supply of a 12-inch or a 14-inch round pipe. The Cast Iron Scale Design Face has large openings and the frame is of Steel.

It is equipped with the new "Air-tight" Fastener.



THE "DEFIANCE"—4½" DEEP
(FOR 12" OR 14" PIPE)

PRICE LIST

THE "DEFIANCE"

SIZE OF FACE OPENING	For Round Pipe	Black Japanned	White Japanned	Electro-plated All Finishes
10 x 13	12" or 14"	6.50	8.00	9.00
12 x 13	14"	7.50	9.00	10.00

PRICE LIST

THE "SPECIAL"—(CAST IRON) (SEE OPPOSITE PAGE)

SIZE OF FACE OPENING	For Round Pipe	Black Japanned	White Japanned	Electro-plated All Finishes
7 x 10	9"	2.55	3.00	4.50
7 x 12	10"	3.40	3.90	5.50
8 x 13	10"	4.25	4.85	6.60
10 x 12	12"	5.10	5.85	7.60
10 x 13	12"	5.50	6.35	8.00
12 x 14	14"	7.15	8.15	12.00
12 x 15	14"	7.65	8.65	12.50

Above Prices do not include wall lines, which are 15c. each. Net extra.

THE "SPECIAL"—(SEMI-STEEL OR ALL STEEL) (SEE OPPOSITE PAGE)

SIZE OF FACE OPENING	For Round Pipe	Black Japanned	White Japanned	Electro-plated All Finishes
7 x 10	9"	2.55	3.00	4.50
7 x 12	10"	3.40	3.90	5.50
8 x 10	10"	3.00	3.50	6.00
8 x 13	10"	4.25	4.85	6.60
10 x 12	12"	5.10	5.85	7.60
10 x 13	12"	5.50	6.35	8.00
10 x 14	12"	6.00	6.85	8.50
12 x 14	14"	7.15	8.15	12.00

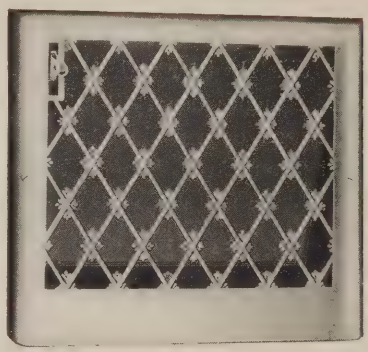
For cuts of the "Special" Baseboard Register see page 40
For Capacities and General Information see pages 44 and 45
For Stackheads and Boots see pages 48 and 49

The "Imperial"

This Register sets on the floor in the baseboard and is made in two styles. A special frame is provided, which may be set when the heater pipes are installed and to which the Register is attached by one screw after the plastering is finished.

The Vertical Imperial is used with a regular stackhead and has a flange on the side which receives the baseboard.

The Horizontal Imperial projects one inch from the baseboard and takes a stackhead approximately two inches deeper than the studding.



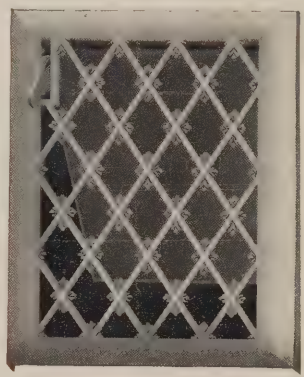
HORIZONTAL IMPERIAL

VERTICAL PRICE LIST

SIZE OF OPENING	Black Japanned	White Japanned	Electro-plated All Finishes
8 x 10	2.00	2.35	3.85
9 x 12	2.50	3.00	4.40
10 x 12	3.75	4.35	6.00

HORIZONTAL

8 x 10	2.00	2.35	3.85
9 x 12	2.50	3.00	4.40
10 x 12	3.75	4.35	6.00
10 x 13	4.50	5.25	7.50
10 x 14	4.50	5.25	7.50
12 x 13	5.25	6.50	8.00
12 x 14	6.00	7.00	9.00



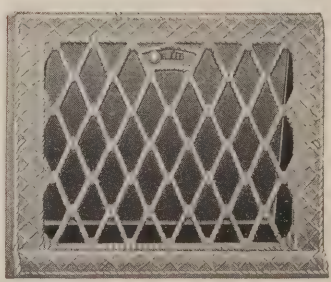
VERTICAL IMPERIAL

The "Baby"

This Register has a very large free-air opening in the face. It is designed to fit a stackhead approximately one inch deeper than the studding. It may be used either in the first or the second story.

PRICE LIST

SIZE OF OPENING	Black Japanned	White Japanned	Electro-plated All Finishes
8 x 10	1.85	2.25	3.00
8 x 12	2.10	2.50	3.50
8 x 13	2.50	3.00	4.00
9 x 12	2.50	3.00	4.00
10 x 12	3.00	3.50	4.50

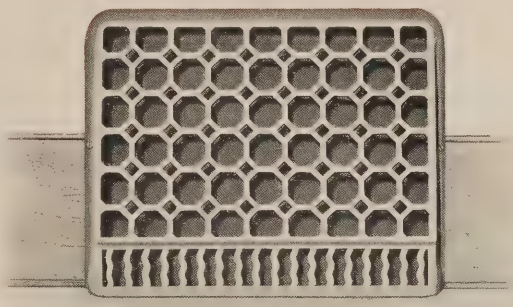


THE BABY

For Capacities and General Information see pages 46 and 47
For Stackheads and Boots see pages 48 and 49

Moorish Intake

The Moorish design intake sets on the floor in the baseboard to which it is secured by screws. The nominal sizes given correspond with those of the T. & B. register, although the size of the fretwork is much larger, as will be noted from the table of extreme sizes given below:



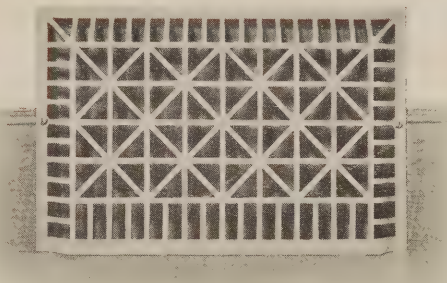
MOORISH INTAKE

PRICE LIST

NOMINAL SIZE	Extreme Size	Black Japanned	White Japanned	Electro-plated All finishes
7 x 10	10¾ x 12¾	2.40	2.85	4.85
7 x 12	10⅞ x 14¾	2.70	3.20	5.20
8 x 13	11¾ x 15⅝	3.00	3.60	5.85
8 x 15	11¾ x 17⅝	3.65	4.35	6.35
10 x 12	13 15/16 x 15⅛	3.80	4.55	6.40
10 x 13	13 13/16 x 15 15/16	3.90	4.65	6.75
12 x 14	15¾ x 16¾	4.80	5.75	8.30
12 x 15	15⅝ x 17⅞	4.95	5.95	8.60

Grecian Intake

The Grecian design intake also sets on the floor in the baseboard and is secured by screws. It is a very ornamental design, has a Convex face and very large free-air capacity. The sizes given in the table below are the extreme outside dimensions:



GRECIAN INTAKE

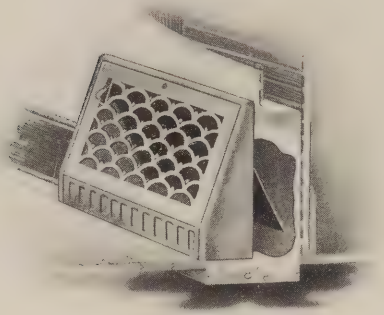
PRICE LIST

EXTREME SIZES	Black Japanned	White Japanned	Electro-plated All Finishes
9 x 14	2.60	3.00	4.80
9 x 30	6.00	7.00	11.50
11 x 14	3.60	4.40	7.00
11 x 30	7.20	8.40	13.60

See also page 61 for Ventilating Plates

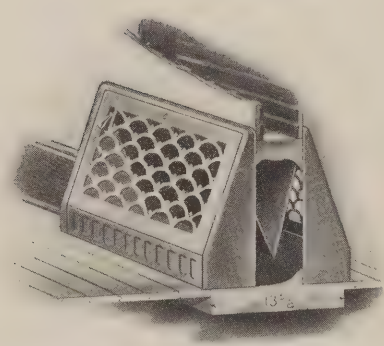
The "Defiance"

These tables show various methods of using the Defiance Register and the proper pipes and stackheads to use for first floor work.



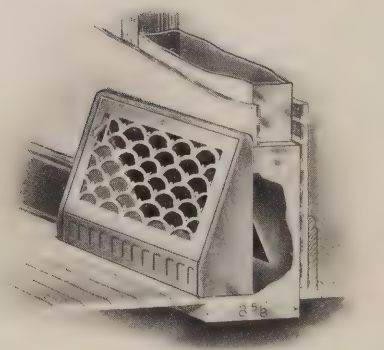
One "Defiance" Register with Style "K" Stackhead
In use on first floor

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. in.	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
10 x 13	101	12″ or 14″	113 or 154	8 x 13	104
12 x 13	135	14″	154	8 x 13¼	106



Two "Defiance" Registers with Style "L" Stackhead
In use on first floor

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. in.	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
10 x 13	101	14″	154	13 x 13	169
12 x 13	135	14″	154	13 x 13¼	173



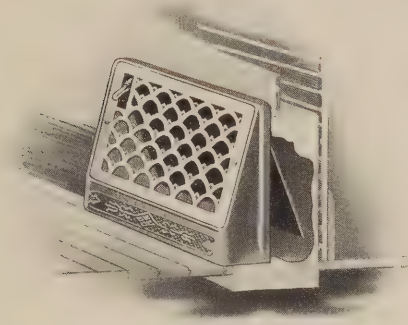
One "Defiance" Register with Style "KX" Stackhead
In use on first floor and extension to floor above

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. inch	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
10 x 13	101	14″	154	8 x 13	104
12 x 13	135	14″	154	8 x 13¼	106

For List Prices, see page 41
For Stackheads and Boots, see pages 48 and 49

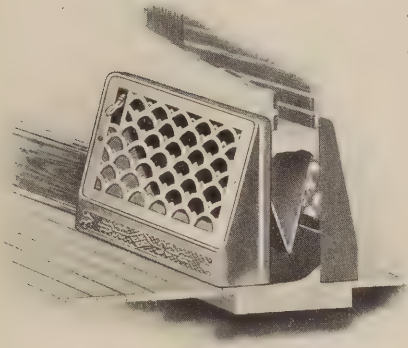
The "Special"

These tables show various methods of using the Special Register and the proper pipes and Stackheads to use for first floor work.



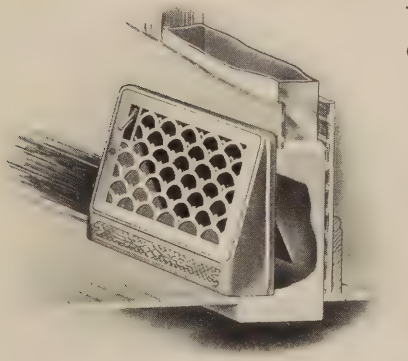
One "Special" Register with Style "K" Stackhead
In use on first floor
(SEE ALSO NOTE BELOW)

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. inch	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
7 x 10	50	9″	64	6 x 10	60
7 x 12	61	10″	79	6 x 12	72
8 x 13	70	10″ or 12″	79 or 113	6 x 13	78
10 x 12	88	12″	113	6 x 12	72
10 x 13	101	12″ or 14″	113 or 154	6 x 13	78
12 x 14	135	14″	154	6 x 14	84
12 x 15	141	14″	154	6 x 15	90



Two "Special" Registers with Style "L" Stackhead
In use on first floor
(SEE ALSO NOTE BELOW)

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. inch	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
7 x 12	61	12″	113	9 x 12	108
8 x 13	70	12″	113	9 x 13	117
10 x 12	88	12″ or 14″	113 or 154	9 x 12	108
10 x 13	101	14″	154	9 x 13	117
12 x 14	135	14″	154	9 x 14	126
12 x 15	141	14″	154	9 x 15	135



One "Special" Register with Style "KX" Stackhead
In use on first floor and extension to floor above

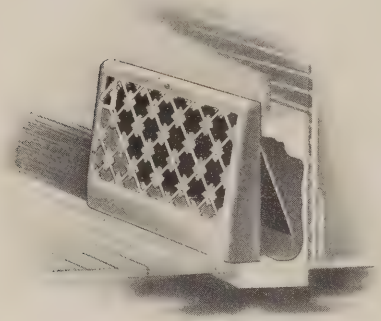
THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. in.	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
7 x 12	61	12″	113	6 x 12	72
8 x 13	70	12″	113	6 x 13	78
10 x 12	88	12″ or 14″	113 or 154	6 x 12	72
10 x 13	101	14″	154	6 x 13	78
12 x 14	135	14″	154	6 x 14	84
12 x 15	141	14″	154	6 x 15	90

Note—The T. & B. Special can be used also on the second floor with "M" Stackhead or the Double Header style "O"

For List Prices see page 41. **For Stackheads and Boots see pages 48 and 49**

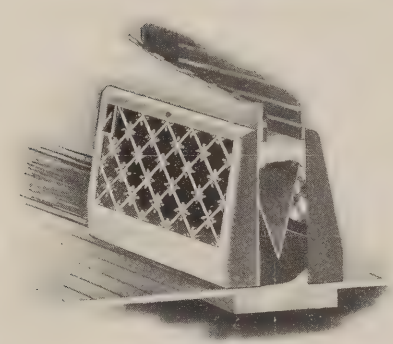
The "Imperial"

These tables show the various methods of using the Imperial Register and the proper pipes and stackheads to use for first floor work.



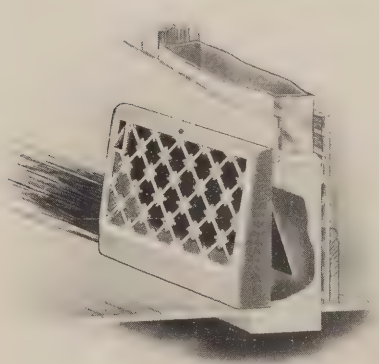
One "Imperial" Register with Style "K" Stackhead
In use on first floor
(SEE ALSO NOTE BELOW)

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. inch	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
8 x 10	52	8″	50	5 x 10	50
9 x 12	72	9″	64	5 x 12	60
10 x 12	79	10″	79	5½ x 12	66
10 x 13	86	10″	79	5½ x 13	72
10 x 14	97	12″	113	5½ x 14	77
12 x 13	103	12″	113	6½ x 13	85
12 x 14	110	12″	113	6½ x 14	91



Two "Imperial" Registers with Style "L" Stackhead
In use on first floor
(SEE ALSO NOTE BELOW)

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. inch	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
8 x 10	52	10″	79	7 x 10	70
9 x 12	72	10″	79	7 x 12	84
10 x 12	79	12″	113	8 x 12	96
10 x 13	86	12″	113	8 x 13	104
10 x 14	97	12″	113	8 x 14	112
12 x 13	103	14″	154	10 x 13	130
12 x 14	111	14″	154	10 x 14	140



One "Imperial" Register with Style "KX" Stackhead
In use on first floor and extension to floor above

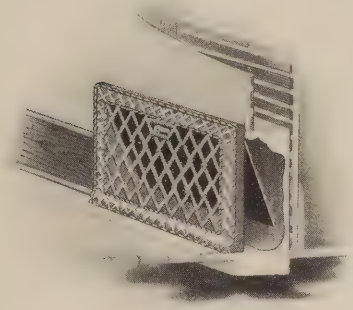
THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. in.	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. inch Capacity of Throat
8 x 10	52	10″	79	5 x 10	50
9 x 12	72	10″	79	5 x 12	60
10 x 12	79	12″	113	5½ x 12	66
10 x 13	86	12″	113	5½ x 13	72
10 x 14	97	12″	113	5½ x 14	77
12 x 13	103	14″	154	6½ x 13	85
12 x 14	111	14″	154	6½ x 14	91

Note—The T. & B. Imperial can be used also on the second floor with "M" Stackhead or the Double Header style "O"

For List Prices see page 42. For Stackheads and Boots see pages 48 and 49

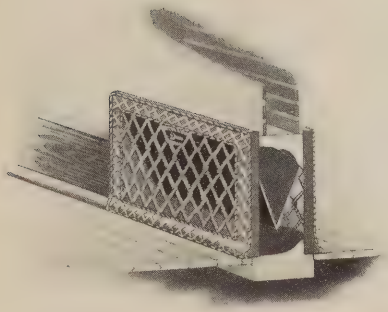
The "Baby"

These tables show various methods of using the Baby Register and the proper Pipes and Stackheads to use for first floor work.



One "Baby" Register with Style "K" Stackhead
In use on first floor (SEE ALSO NOTE BELOW)

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. in.	Diameter	Sq. inch Capacity	Inside Size of Throat	Sq. in. Capacity of Throat
8 x 10	54	8″	50	5 x 10	50
8 x 12	64	9″	64	5 x 12	60
8 x 13	69	9″	64	5 x 13	65
9 x 12	78	10″	79	5 x 12	60
10 x 12	81	10″	79	5 x 12	60

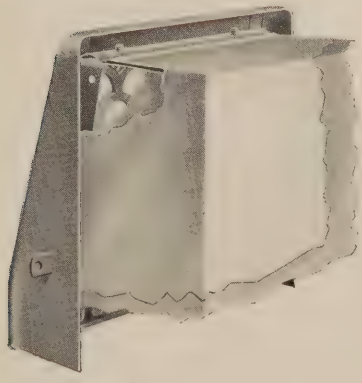


Two "Baby" Registers with Style "L" Stackhead
In use on first floor (SEE ALSO NOTE BELOW)

THE REGISTER		THE ROUND PIPE		THE STACKHEAD	
Nominal Size of Register	Free Air Opening in Face Sq. in.	Diameter	Sq. in. Capacity	Inside Size of Throat	Sq. in. Capacity of Throat
8 x 10	54	10″	79	7 x 10	70
8 x 12	64	10″	79	7 x 12	84
8 x 13	69	12″	113	7 x 13	91
9 x 12	78	12″	113	7 x 12	84
10 x 12	81	12″	113	7 x 12	84

NOTE.—The "Baby" can be used also on the second floor with Style "M" Stackhead or the double header Style "O."

It is important to note that the efficiency of a Register is dependent on the velocity of the flow of air which in turn is governed by the size of the round pipe used. Therefore to increase the heating capacity of a Register it is necessary to use a pipe with larger square inch capacity than the free-air opening in the Register Face.



The Air-tight Fastener

(PATENTS APPLIED FOR)

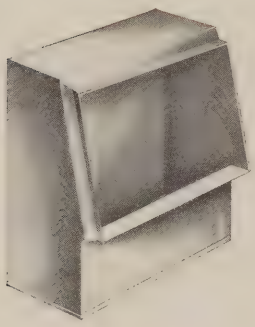
This device absolutely prevents leakage of air between the top of the Register and the Sidewall and at the same time securely fastens the Register to the Tin Box. It is entirely new and is supplied (without extra charge) with the following Registers:

"DEFIANCE" Baseboard Register.
SEMI-STEEL "SPECIAL" Baseboard Register.
ALL STEEL "SPECIAL" Baseboard Register.

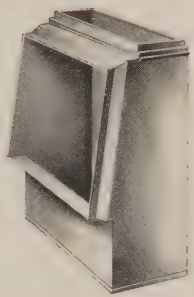
As one of the chief objections to Baseboard Registers has been the staining of the Walls, the value of this fastener will be appreciated.

STACKHEADS

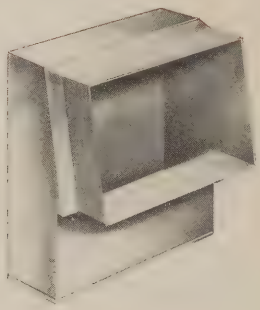
TO FIT BASEBOARD REGISTERS



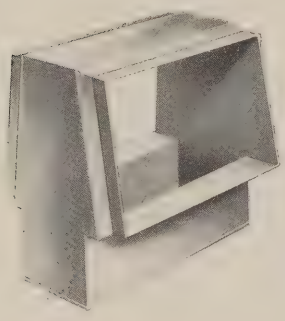
STYLE "K" HEAD
(For one register on first floor)



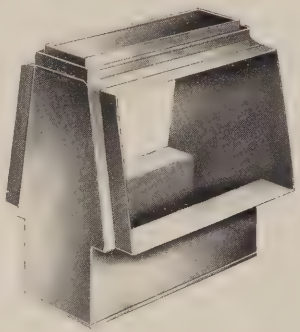
STYLE "KX" HEAD
(Same as style "K" but with extension for second floor)



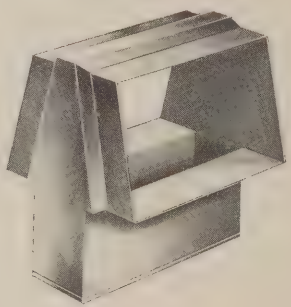
STYLE "M" HEAD
(For one register on second floor)



STYLE "L" HEAD
(For two registers on first floor)



STYLE "LX" HEAD
(Same as style "L" but with extension for second floor)



STYLE "O" HEAD
(For two registers on second floor)

The above Stackheads are made of different dimensions to fit each of the following Baseboard Registers. In ordering state the *style* of head and which of these Baseboard Registers it is to fit.

"Special" (see page 40) **"Defiance"** (see page 41)

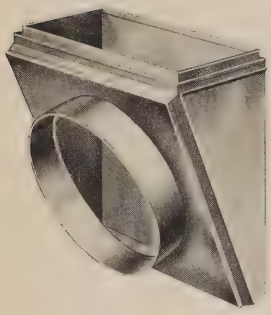
"Imperial" (see page 42) **"Baby"** (see page 42)

Unless otherwise ordered we send all fittings for *double pipe*.

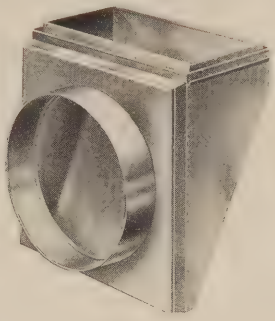
Prices of Stackheads on application

BOOTS

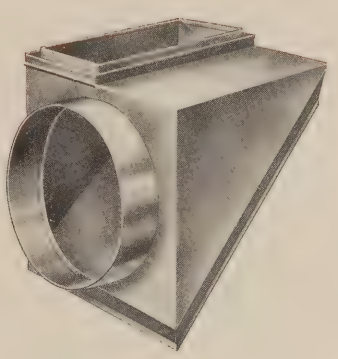
TO FIT STACKHEADS ON OPPOSITE PAGE



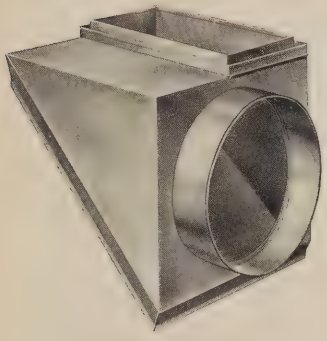
STYLE "A" BOOT



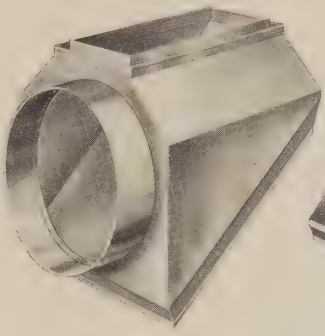
STYLE "B" BOOT



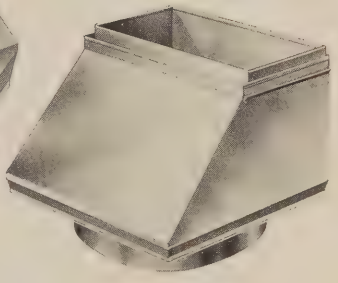
STYLE "C" BOOT



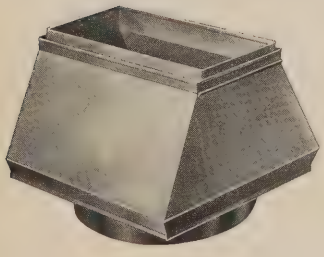
STYLE "D" BOOT



STYLE "F" BOOT

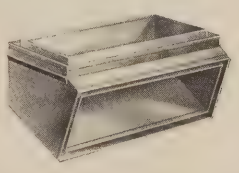


STYLE "H" BOOT



STYLE "R" BOOT

The collars on these boots are made to fit 8″, 9″, 10″, 12″ or 14″ pipe.



STYLE "S" OFFSET

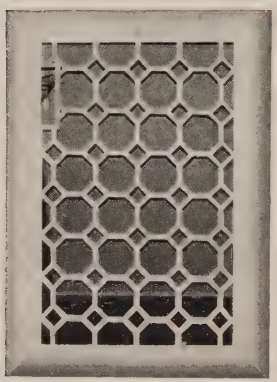
In ordering Boots state the size of the collar for the round pipe and also state which of these Baseboard Registers the Boot is to be used with.

"Special" (see page 40) **"Defiance"** (see page 41)
"Imperial" (see page 42) **"Baby"** (see page 42)

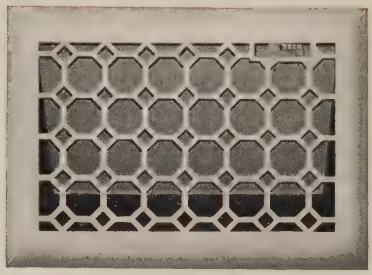
Unless otherwise ordered we send all fittings for *double pipe.*

Prices of Boots on application

"T. & B. REVERSIBLE WAFER"



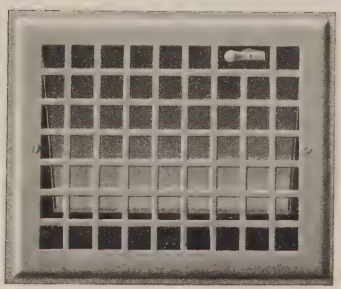
Moorish Design
Semi-Steel



SAME REGISTER SETS EITHER WAY

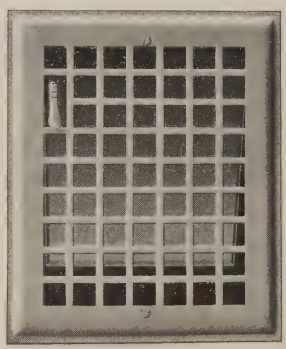
The Reversible Wafer Register is designed for shallow flues and is only 1 inch deep when closed. By a simple patented device it can be arranged to set either vertically or horizontally—the same movement operating either way.

The cast iron Moorish design has a rounded rim which makes a good finish against the plaster, while the wrought steel plain lattice design has convex rims for the same purpose.



"AS THIN AS A WAFER"

Plain Lattice Design
All Steel



PRICE LIST (SEMI-STEEL OR ALL STEEL)

SIZE OF OPENING	Black Japanned	White Japanned	Electro-plated All Finishes
8 x 10	1.65	2.00	3.15
8 x 12	1.90	2.30	3.65
9 x 12	2.10	2.55	4.00
10 x 12	2.40	2.90	4.40
10 x 14	3.15	3.80	6.55
12 x 14	4.35	5.25	8.25
12 x 15	4.50	5.40	8.50
14 x 16	8.50	10.20	16.50
14 x 18	9.00	10.80	18.50

Grilles

GRILLES and Screens are usually the largest and most conspicuous pieces of hardware in a building. Cast bronze, cast brass and cast iron are the most suitable materials for finely finished work. As our goods are usually used in connection with interior decoration, they are carefully filed and finished by hand.

Any of the stock designs of Register Faces as shown on pages 7, 8, 9 and 10 are suitable for Grilles to cover steam coils when the wheel slot and screw holes in the fretwork have been removed and the design made continuous. When so made they cannot be used with regular register valves.

In the absence of information to the contrary we assume that sizes called for on orders are opening sizes, as in the case of Registers; the extreme dimensions, including the rim, being somewhat larger. The general construction of Cast and Steel Grilles is shown in sectional cuts on pages 52 and 54.

Goods to be painted after being set in position are finished in a priming coat only.

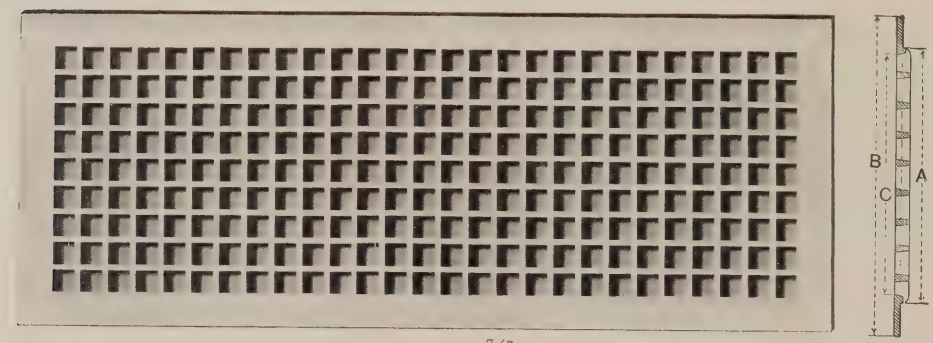
Electro-plated goods are made to match the numbered finishes of any of the standard Builders' Hardware Manufacturers, or can be plated to match woodwork.

Grilles are sold at the price of Register Faces of the same size, finish and design. (See pages 7 to 10 for designs, and 24 to 27 for prices.)

Other sizes or designs are special, and prices will be quoted upon application.

Prices of Wrought Steel Grilles will be found on page 54; and prices of Woven Wire of any mesh with either channel iron or angle iron frames will be made upon request.

Particular attention is called to the Special Designs as shown on pages 65 to 68.



STANDARD 7/8" MESH

Plain lattice is the standard design for Grilles.

Bronze or cast iron Grilles have rims which vary in width according to size; the thickness of the rim being less than that of the fretwork.

In the section shown above, A is the body size or size of opening to be covered; B is the extreme outside measure and C the daylight opening.

Unless otherwise stated we assume that sizes given on orders are body sizes "A." Plain Lattice cast Grilles are made in almost all sizes (body sizes) of even inches. The mesh is 7/8 of an inch square and the bars approximately 1/4 of an inch.

List prices for these goods will be found on pages 24, 25, 26 and 27. Estimates for sizes not given in list will be sent on application.

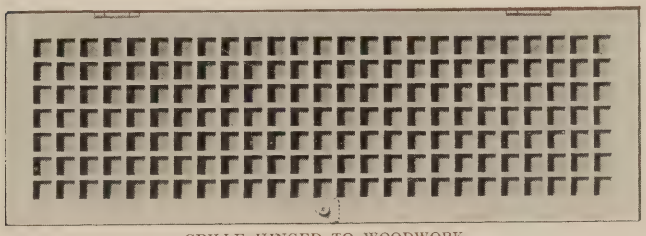
Various methods of fastening these Grilles and providing means of access to steam valves or for cleaning purposes are shown on opposite page. Any of the special design Grilles can be similarly arranged. Estimates for providing hinges and catches or the special frames shown, will be sent on application.

All cast Grilles are made thick enough to secure the effect of depth, and to give a substantial appearance. When used in the floor they are sufficiently heavy to stand floor usage.

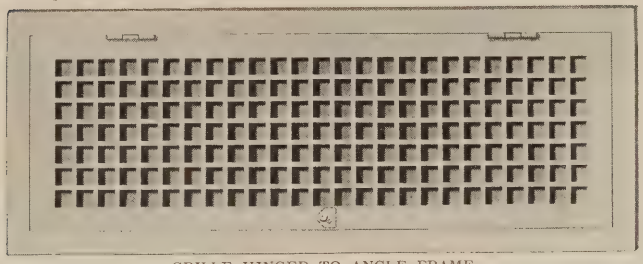
CAST GRILLES

CAST IN IRON, BRONZE OR BRASS

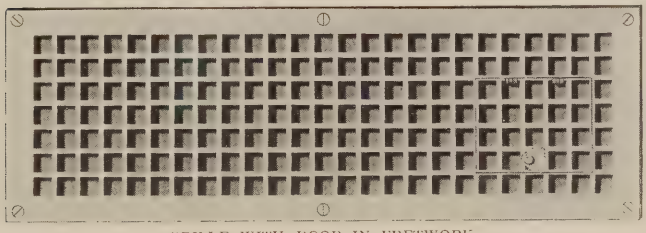
ALL FINISHES



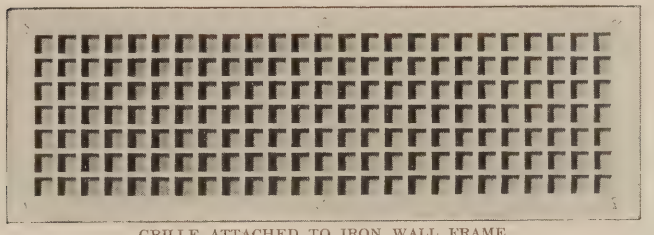
GRILLE HINGED TO WOODWORK



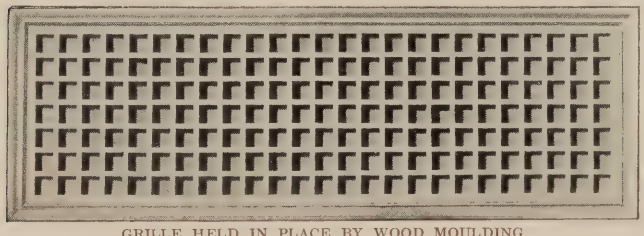
GRILLE HINGED TO ANGLE FRAME



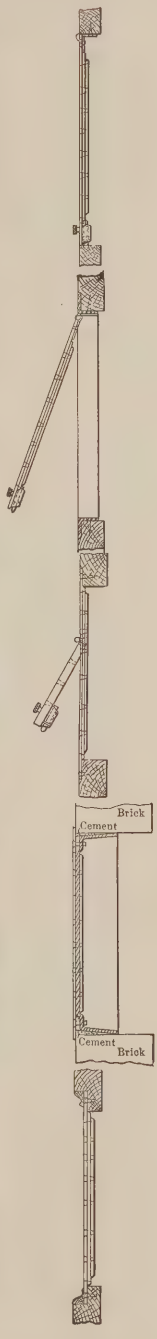
GRILLE WITH DOOR IN FRETWORK



GRILLE ATTACHED TO IRON WALL FRAME



GRILLE HELD IN PLACE BY WOOD MOULDING



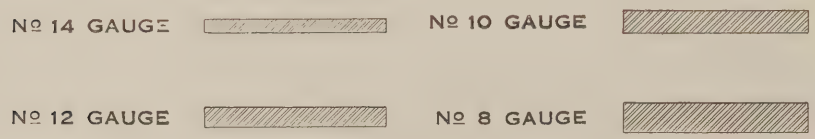
STEEL GRILLES

PERFORATED SHEET STEEL — ALL FINISHES

While not as substantial in appearance or as lasting as Cast Iron, Steel Grilles are cheaper and have their uses under certain conditions. They are made of sheet steel perforated in $\frac{7}{8}$″ or $\frac{1}{2}$″ mesh. The $\frac{7}{8}$″ mesh is standard and is always supplied on orders unless otherwise specified, but we also make $\frac{1}{2}$″ mesh in both the square and diagonal lattice as shown on the opposite page.

If Grilles are to be painted after being installed they should be finished with a priming coat only. Steel takes an especially fine finish in electro plate and our fine quadruple plate can be supplied in 72 standard finishes of Bronze, Brass, Copper, Gold, Silver and Verde Antique or can be plated to match samples of wood or hardware.

These sketches show the thickness of various gauges of sheet steel (U. S. Standard) from which steel grilles are punched.

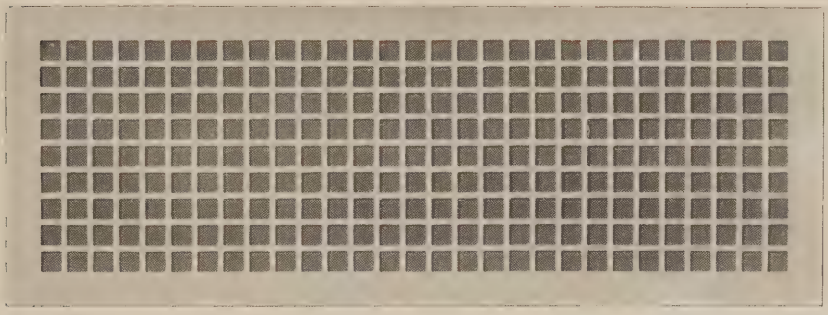


PRICE LIST

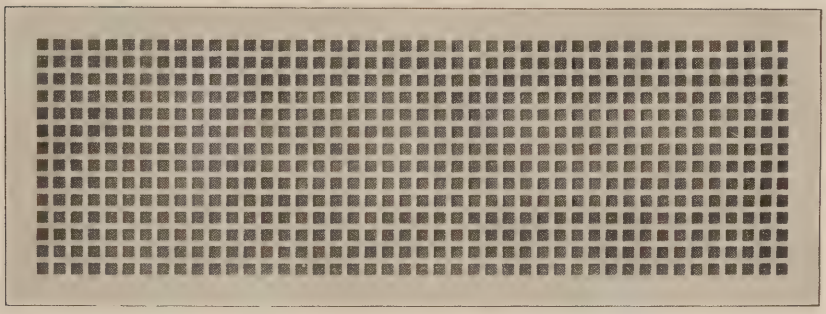
WIDTH IN DAYLIGHT OPENING "C"						LIST PRICES FOR No. 14 GAUGE Per Running Foot in Length		
$\frac{7}{8}$-inch Square Mesh	Number of Squares	$\frac{1}{2}$-inch Square Mesh	Number of Squares	$\frac{1}{2}$-inch Diagonal Mesh	Number of Squares	Black Japanned	White Japanned	Electro-plated
$1\frac{15}{16}$″	2	$1\frac{7}{8}$″	3	2″	2	1.20	1.50	2.20
3″	3	$2\frac{9}{16}$″	4	$2\frac{1}{2}$″	$2\frac{1}{2}$	1.30	1.60	2.30
4″	4	$3\frac{15}{16}$″	6	$3\frac{15}{16}$″	4	1.40	1.70	2.40
$5\frac{1}{8}$″	5	$5\frac{5}{16}$″	8	$5\frac{3}{8}$″	$5\frac{1}{2}$	1.50	1.80	2.50
$6\frac{1}{8}$″	6	6″	9	$5\frac{7}{8}$″	6	1.60	1.90	2.60
$7\frac{3}{16}$″	7	$7\frac{3}{8}$″	11	$7\frac{5}{16}$″	$7\frac{1}{2}$	1.70	2.10	2.80
$8\frac{1}{4}$″	8	8″	12	$8\frac{1}{4}$″	$8\frac{1}{2}$	1.80	2.25	3.00
$9\frac{5}{16}$″	9	$8\frac{3}{4}$″	13	$9\frac{1}{4}$″	$9\frac{1}{2}$	1.90	2.50	3.25
$10\frac{3}{8}$″	10	$10\frac{1}{8}$″	15	$10\frac{3}{16}$″	$10\frac{1}{2}$	2.00	2.75	3.50
$11\frac{3}{8}$″	11	$11\frac{7}{16}$″	17	$11\frac{3}{16}$″	$11\frac{1}{2}$	2.25	3.25	4.00
$12\frac{3}{8}$″	12			$12\frac{1}{8}$″	$12\frac{1}{2}$	2.50	3.50	4.50

Extreme size "B" as desired. Unless otherwise ordered rims will vary from $\frac{5}{8}$ inch to 1 inch, all around, according to size of grille

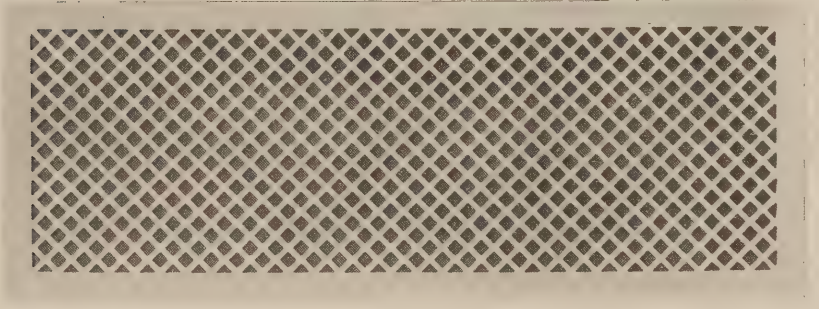
Estimates for heavier gauge or wider sizes furnished on application



STANDARD 7/8" SQUARE MESH



1/2" SQUARE MESH



1/2" DIAGONAL MESH

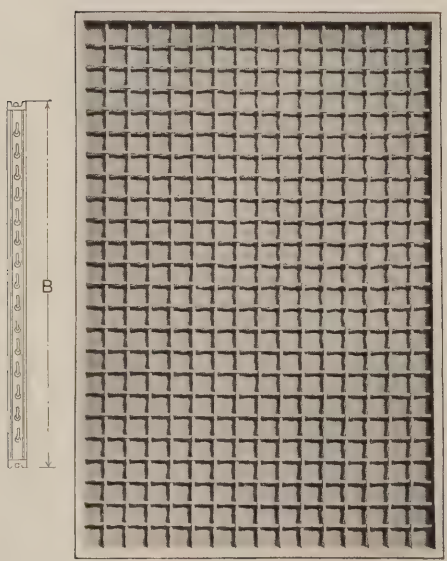
For List Prices and Description, see opposite page

The Wire Grilles here shown are intended for use in connection with Ventilation, Indirect Radiation, etc.

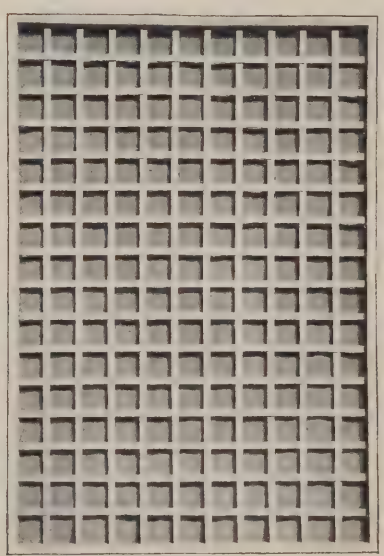
Important Points

In requesting estimates or ordering Wire Grilles please note that we require information on each of the following points:

1. **Style of Frame.** (Channel Iron, Ornamental Angle Iron, etc.)
2. **Style of Mesh.** (001, 002, 003, etc.)
3. **Size of Mesh.** ($\frac{1}{2}''$, $\frac{3}{4}''$, $1''$, etc.)
4. **Gauge of Wire.** (No. 8, No. 10, No. 12, etc.)
5. **Finish.** (Black, White, Plated, etc.)
6. **Size of Grille.** Unless otherwise stated we assume that sizes given us are the outside dimensions "B" of Channel Iron Frames or the inside dimensions (Opening Sizes) "A" of Angle Iron Frames.
7. **Drilling.** No Grilles are drilled unless so ordered, but if desired, we drill the Frames and supply wood screws without extra charge.



STYLE NO. 001 MESH WITH CHANNEL FRAME



STYLE NO. 004 MESH WITH CHANNEL FRAME

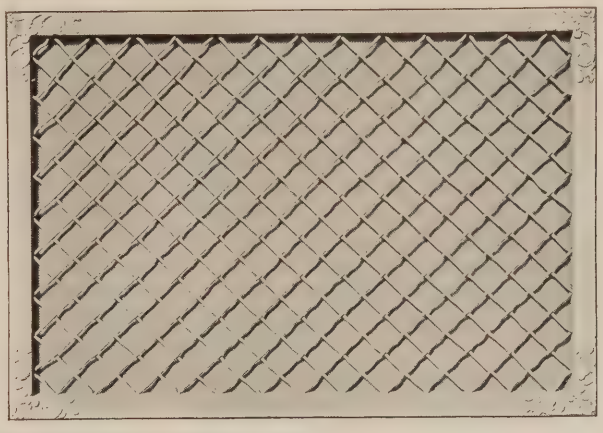
List Prices and Special Catalogue on application

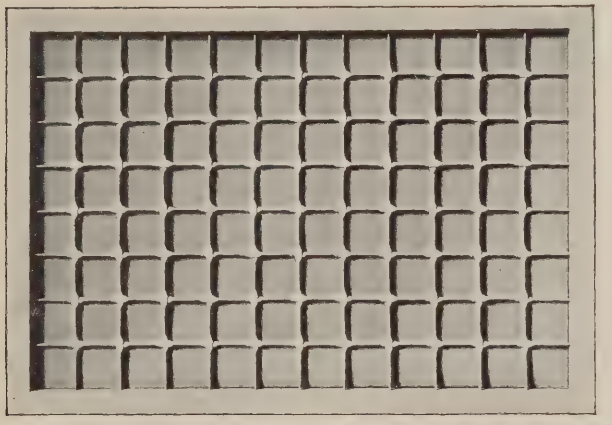
WIRE GRILLES

MADE OF ROUND OR FLAT WIRE

ALL FINISHES

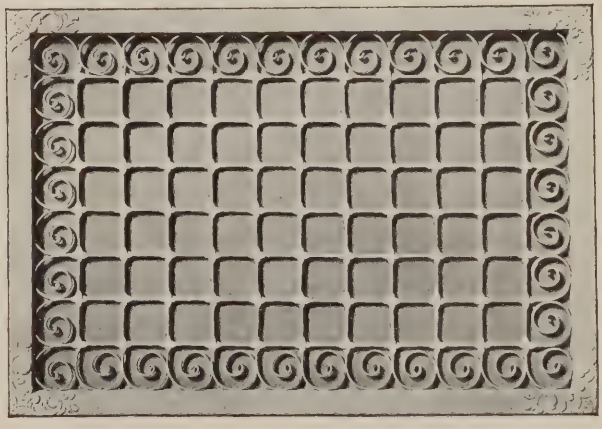
STYLE NO. 002 MESH
WITH
ORNAMENTAL ANGLE FRAME





STYLE NO. 005 MESH
WITH
MITERED ANGLE FRAME

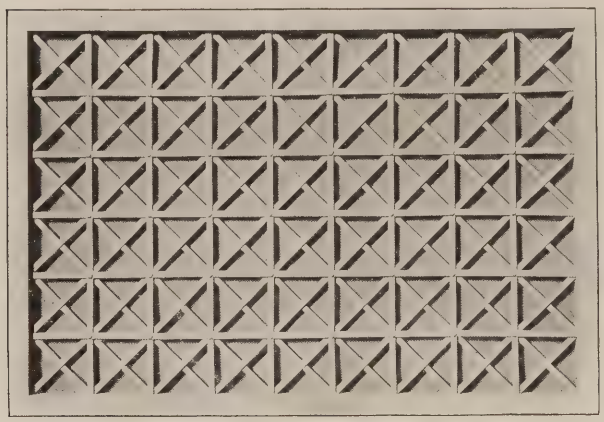
STYLE NO. 006 MESH
WITH
ORNAMENTAL ANGLE FRAME



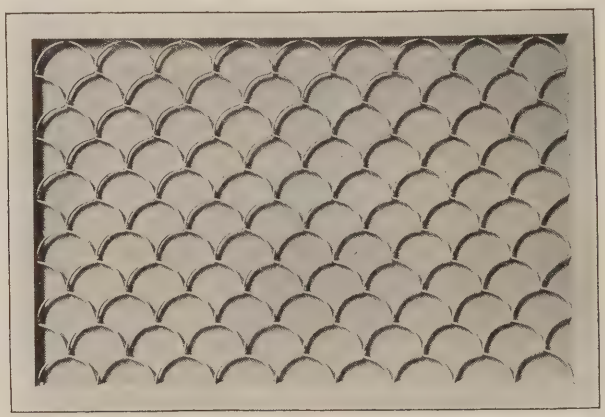
List Prices and Special Catalogue on application

WIRE GRILLES

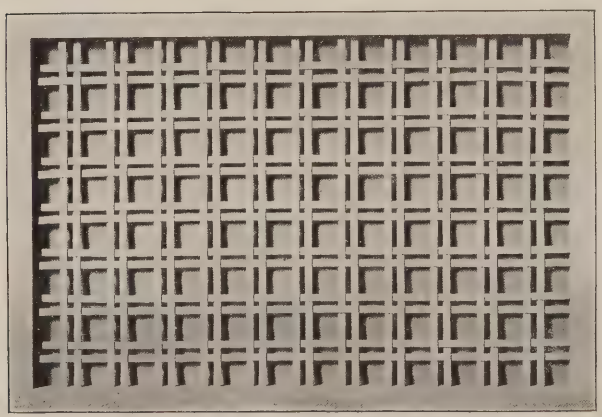
MADE OF ROUND OR FLAT WIRE — ALL FINISHES



STYLE NO. 007 MESH
WITH
MITERED ANGLE FRAME

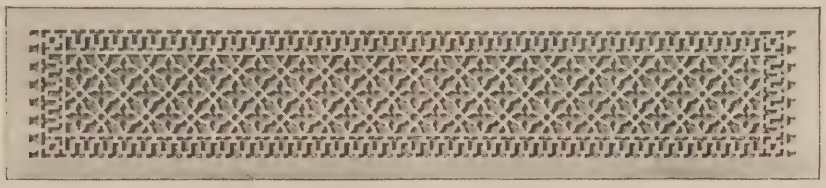


STYLE NO. 008 MESH
WITH
MITERED ANGLE FRAME



STYLE NO. 009 MESH
WITH
MITERED ANGLE FRAME

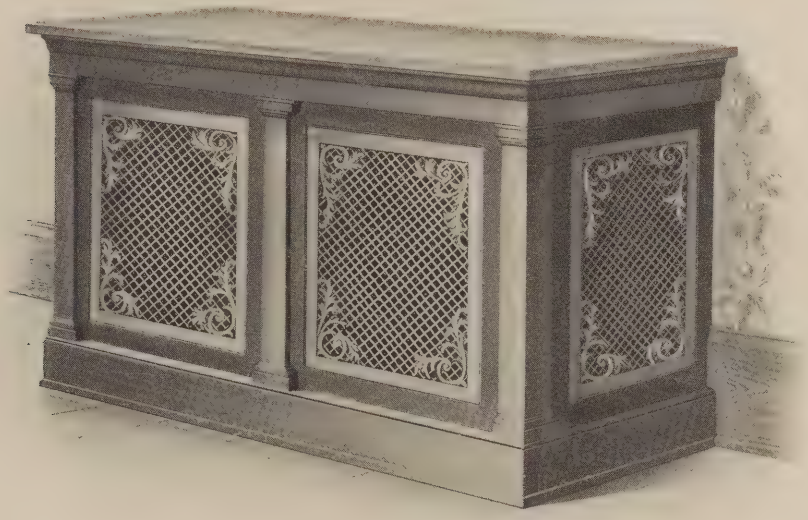
List Prices and Special Catalogue on application



Screen Faces—Persian Design

In sections to make any length. For use in front of steam pipes

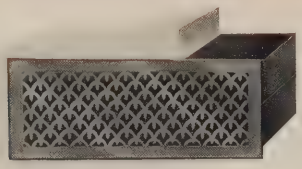
Width of Opening in inches	Width of Face in inches (extreme)	Black Jap'd per foot	White Japanned per foot	El.-plated Nickel, Brass, Bronze or Copper per foot	Width of Opening in inches	Width of Face in inches (extreme)	Black Jap'd per foot	White Jap'd per foot	El.-plated Nickel, Brass, Bronze or Copper per foot
4¾	6	1.40	1.70	2.40	9	11	1.90	2.50	3.25
5¾	7	1.50	1.80	2.50	10	12	2.00	2.75	3.50
6¼	8	1.60	1.90	2.60	11	13	2.25	3.25	4.00
7	9	1.70	2.10	2.80	12	14	2.50	3.50	4.50
8	10	1.80	2.25	3.00					



Screens

Screens of Cast Bronze or Cast Iron to cover Steam Coils can be furnished in any of our numbered Special Designs or can be made to Architects' details.

In ordering or requesting estimates please state whether two, three or four-sided Screens are wanted, also whether they are to be with or without Ornamental Iron or Marble Top.

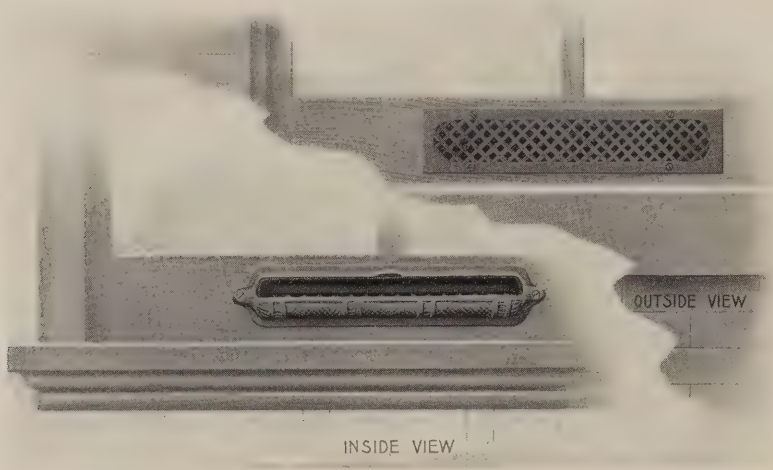


Cold Air Inlets

4 inches deep

Mouse-proof Design

Size of Opening	Black Japanned	White Japanned	Size of Opening	Black Japanned	White Japanned	Size of Opening	Black Japanned	White Japanned
2 x 4	1.00	1.10	2 x 20	4.15	4.35	3 x 24	5.40	5.60
2 x 5	1.10	1.20	2 x 22	4.55	4.75	3 x 30	6.70	7.00
2 x 6	1.25	1.35	2 x 24	5.00	5.20	3 x 36	8.00	8.35
2 x 7	1.50	1.60	2 x 26	5.40	5.60	4 x 6	1.60	1.70
2 x 8	1.70	1.80	2 x 28	5.80	6.00	4 x 7	1.70	1.80
2 x 9	2.00	2.10	2 x 30	6.20	6.40	4 x 8	2.00	2.15
2 x 10	2.10	2.30	3 x 6	1.50	1.60	4 x 9	2.20	2.40
2 x 11	2.30	2.50	3 x 7	1.60	1.70	4 x 10	2.50	2.70
2 x 12	2.60	2.80	3 x 8	1.90	2.00	4 x 12	3.05	3.25
2 x 13	2.70	2.90	3 x 9	2.10	2.30	4 x 15	3.75	3.95
2 x 14	2.95	3.15	3 x 10	2.30	2.50	4 x 18	4.45	4.65
2 x 15	3.15	3.30	3 x 12	2.75	2.95	4 x 20	4.90	5.10
2 x 16	3.35	3.55	3 x 15	3.45	3.65	4 x 24	5.80	6.00
2 x 17	3.55	3.75	3 x 18	4.05	4.25	4 x 30	7.35	7.65
2 x 18	3.75	3.95	3 x 20	4.45	4.65	4 x 36	9.00	9.50



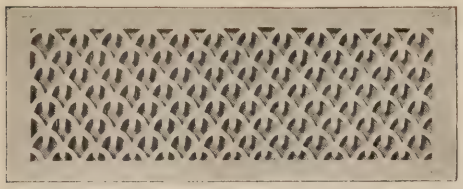
Perfection Window-Sash Ventilator

For use in sash rail inside of window with plate for finish on outside

Size of Opening	Extreme Dimensions of Outside Sash Plate	Gold Bronzed	Electro-plated Nickel	Electro-plated Brass, Bronze or Copper	Brass or Bronze Metal
1½ x 9	2 5/16 x 9 13/16	.90	1.90	1.90	5.00
1½ x 12	2 5/16 x 12 5/8	1.20	2.20	2.20	6.50
2 x 9	2 13/16 x 9 13/16	1.20	2.20	2.20	6.50
2 x 12	2 13/16 x 12 5/8	1.40	2.50	2.50	8.00

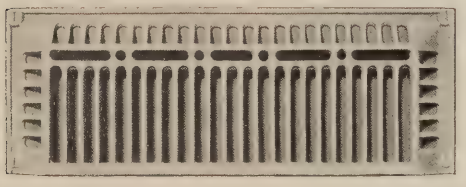
Prices include Ventilator complete with outside plate

VENTILATING PLATES

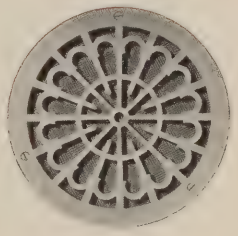


New Mouse-proof Design—Suitable to be set in the Baseboard as Open Ventilators.

SIZE OF OPENING	Black Jap'd	White Jap'd	Gold Brz'd	Electro Plated Nickel	Electro-Plated Brass, Bronze or Copper	SIZE OF OPENING	Black Jap'd	White Jap'd	Gold Brz'd	Electro Plated Nickel	Electro-Plated Brass, Bronze or Copper
2 x 4	.25	.30	.30	.35	.40	3 x 8	.50	.55	.65	.75	.95
2 x 5	.25	.30	.35	.40	.55	3 x 9	.55	.65	.80	.90	1.10
2 x 6	.30	.35	.40	.50	.65	3 x 10	.55	.65	.85	1.00	1.20
2 x 7	.35	.40	.50	.60	.70	3 x 12	.60	.70	1.00	1.10	1.45
2 x 8	.40	.45	.55	.65	.80	3 x 15	.85	1.00	1.20	1.45	1.85
2 x 9	.50	.55	.60	.75	.95	3 x 18	1.00	1.15	1.45	1.70	2.10
2 x 10	.50	.60	.75	.85	1.05	3 x 20	1.10	1.25	1.60	1.95	2.35
2 x 11	.55	.65	.80	.90	1.10	3 x 24	1.35	1.50	1.95	2.30	2.90
2 x 12	.60	.70	.85	1.00	1.20	3 x 30	1.70	1.95	2.40	2.80	3.55
2 x 13	.65	.75	.90	1.10	1.30	3 x 36	1.95	2.25	2.90	3.40	4.20
2 x 14	.75	.85	1.00	1.20	1.45	4 x 6	.50	.55	.60	.75	.95
2 x 15	.75	.85	1.05	1.25	1.50	4 x 7	.55	.60	.75	.85	1.05
2 x 16	.80	.90	1.10	1.35	1.60	4 x 8	.60	.70	.85	1.00	1.20
2 x 17	.85	1.00	1.20	1.45	1.70	4 x 9	.65	.75	1.00	1.10	1.30
2 x 18	.95	1.10	1.25	1.50	1.85	4 x 10	.75	.85	1.10	1.20	1.45
2 x 20	1.00	1.15	1.35	1.70	1.95	4 x 12	.85	1.00	1.20	1.45	1.70
2 x 22	1.10	1.25	1.45	1.80	2.25	4 x 15	1.10	1.25	1.60	1.80	2.25
2 x 24	1.20	1.40	1.60	1.95	2.35	4 x 18	1.35	1.50	1.80	2.20	2.60
2 x 30	1.45	1.65	2.05	2.40	3.00	4 x 20	1.45	1.65	2.05	2.40	2.90
3 x 6	.35	.40	.50	.60	.65	4 x 24	1.70	1.95	2.40	2.90	3.55
3 x 7	.40	.45	.60	.65	.80	4 x 30	2.20	2.50	3.00	3.60	4.45



Convex Baseboard Ventilating Plates



Round Ventilating Plates

SIZE OF OPENING	Black Japanned	White Japanned	Gold Bronzed	El.-Plated Nickel, Brass, Bronze or Copper
5 x 14	1.20	1.40	2.10	3.00
5 x 15	1.25	1.45	2.15	3.05
5 x 24	1.75	2.05	3.05	3.80
5 x 30	3.20	3.70	4.70	5.00
6 x 15	1.35	1.60	2.25	3.15
6 x 16	1.50	1.80	2.70	3.40
6 x 18	1.70	2.00	3.00	3.75
6 x 24	1.90	2.30	3.30	4.00
6 x 30	3.25	3.80	4.80	5.25
6 x 32	3.30	3.90	4.95	5.50
6 x 36	3.50	4.20	5.50	7.00

SIZE OF OPENING	Black or White Japanned	Electro-Plated All Finishes
3″	.25	.45
3½″	.30	.60
4″	.35	.70
4½″	.40	.85
5″	.60	1.10
5½″	.70	1.25
6″	.80	1.50

Chandelier Ventilator

With Chain and Indicators

Tuttle's Patents

This ventilator is more ornamental than the ordinary plaster centerpiece, and being connected with a flue leading to the outer air, affords a perfect outlet for unwholesome gases and heated air.

SIZE OUTSIDE	Tin Box Opening	White Japanned	Gold Bronzed	SIZE OUTSIDE	Tin Box Opening	White Japanned	Gold Bronzed
18″	13¾	6.00	8.00	21″	15¼	7.40	9.50

For Price of Chain and Indicator Handles, see page 16

Carved Ceiling Ventilator

With or without Valves—Renaissance Design

Opening through center for gas pipe. May be operated by chain from the back or through the face as preferred. For churches and large halls.

SIZE OF OPENING	Extreme Dimensions	White With Valves	White Face only	Bronzed With Valves	Bronzed Face only	Without Japan With Valves	Without Japan Face only
24″	26 5/16″	14.95	6.20	18.00	11.00	13.00	4.25
30″	32 7/16″	24.50	10.50	29.40	17.50	22.25	8.25
36″	38¾″	40.00	15.25	48.00	27.00	37.00	12.25
*42″	45 5/16″	.....	21.25	.....	30.00	.....	17.25
48″	51⅛″	60.00	26.00	70.00	36.00	55.00	21.00
60″	63¼″	110.00	38.00	120.00	48.00	105.00	32.00
72″	72 11/16″	.....	50.00	.....	65.00	.....	43.00
96″	96⅛″	.....	62.00	.....	75.00	.....	54.00

* Star design only

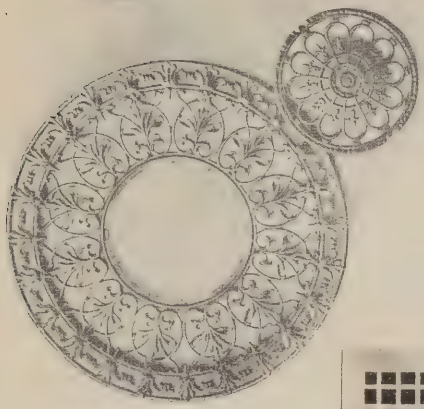
Twentieth Century Stove Pipe Register and Ceiling Plate

The stove pipe register is finished in Black Japan and the Ceiling Plate in White Japan.

Both have removable caps to be used when stove pipe is taken down.

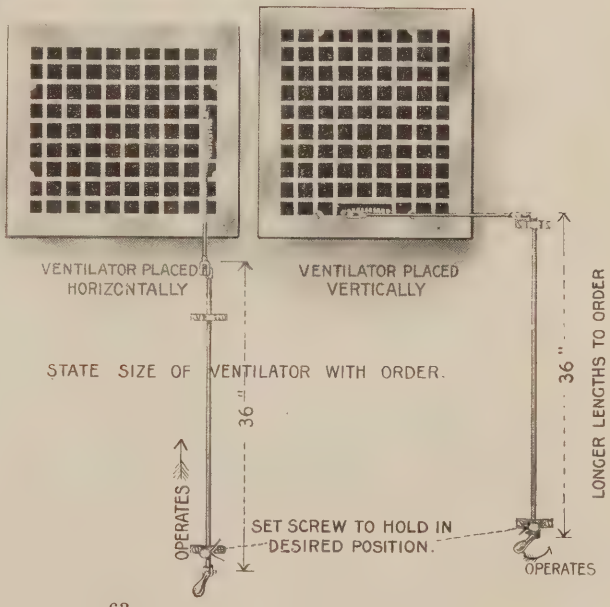
PRICE LIST

SIZE OF STOVE PIPE	Black Japanned Register (and Cap)	White Japanned Ceiling Plate (and Cap)
6″	1.50	1.50
7″	1.70	1.70
8″	2.00	2.00
9″	2.50	2.50



Lever Attachments

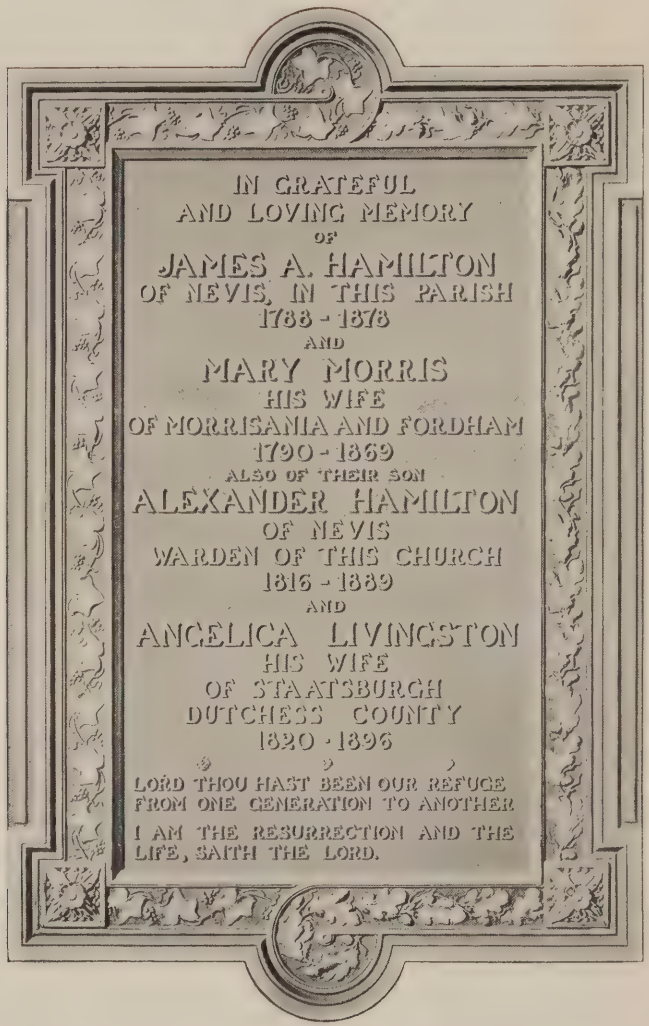
to open and close Ventilators



PRICE LIST

For Lever Attachment

Electro-plated, nickel, brass, bronze or copper	$1.50 Net
Solid brass or bronze	2.30 "



Tablets of Cast Bronze are finely finished by hand and of superior workmanship and material. They are cast in one piece and made either from Architects' details or from designs by our own artists.

Sheet Bronze Tablets, although much cheaper than Cast goods, are also finished with the care that we give to all of our products.

Estimates will be furnished upon receipt of detailed information covering requirements.

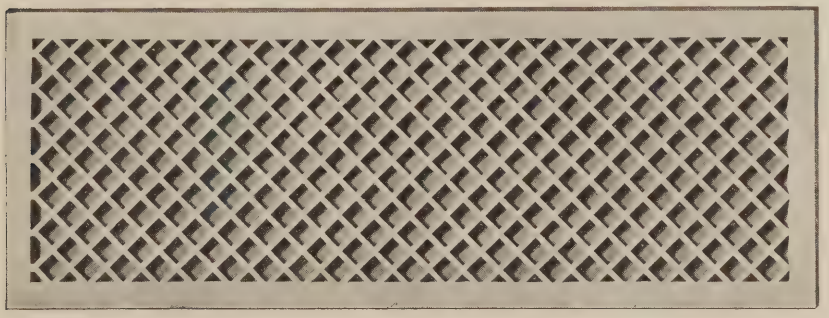
In addition to our regular line of stock goods we offer a complete set of over 400 special designs which cover all possible styles of decoration.

The cuts shown in the following pages are selected to show a few of the more simple patterns. They are not carried in stock and in most every case there is an additional charge for modelling.

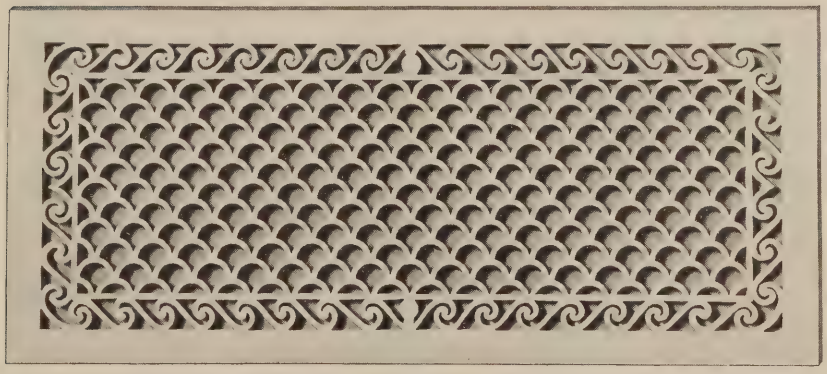
As these goods are used in connection with interior decoration they are carefully finished by hand.

Special designs are suitable for Registers, Grilles or Screens. They can be made in any size, to set with the long dimension either horizontal or vertical, can be curved either concave or convex and of any shape to fit panelling or other special conditions.

Prices on application



T. & B. NO. 56



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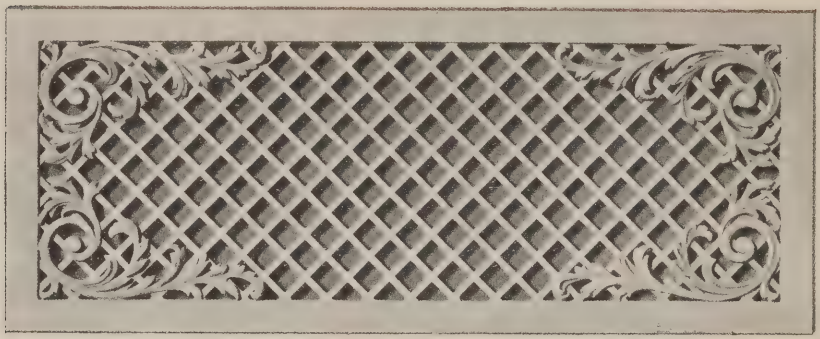

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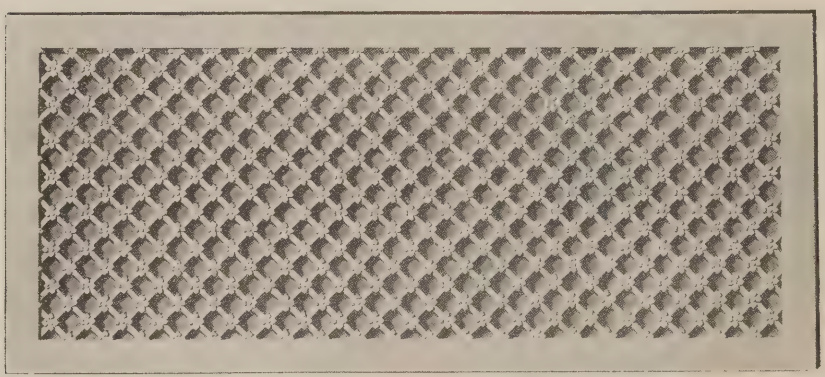

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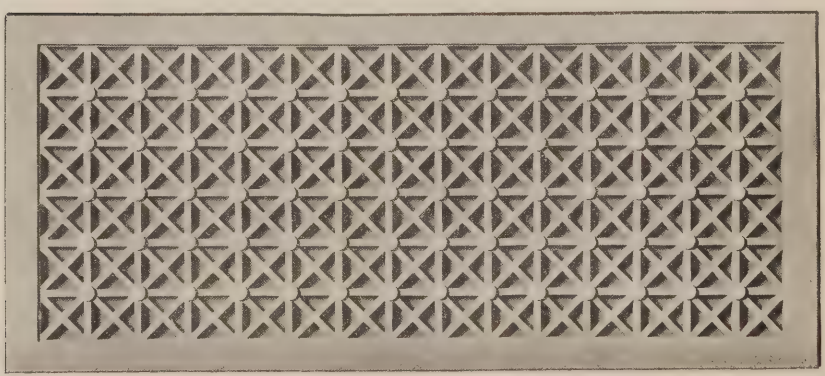
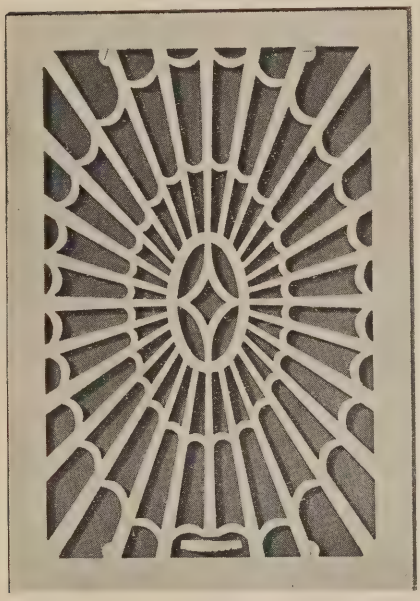


T. & B. NO. 42

Registers, Grilles and Screens are the largest, and most conspicuous pieces of hardware in a room



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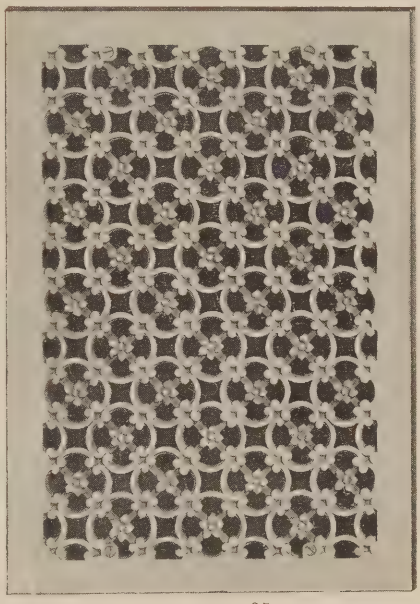

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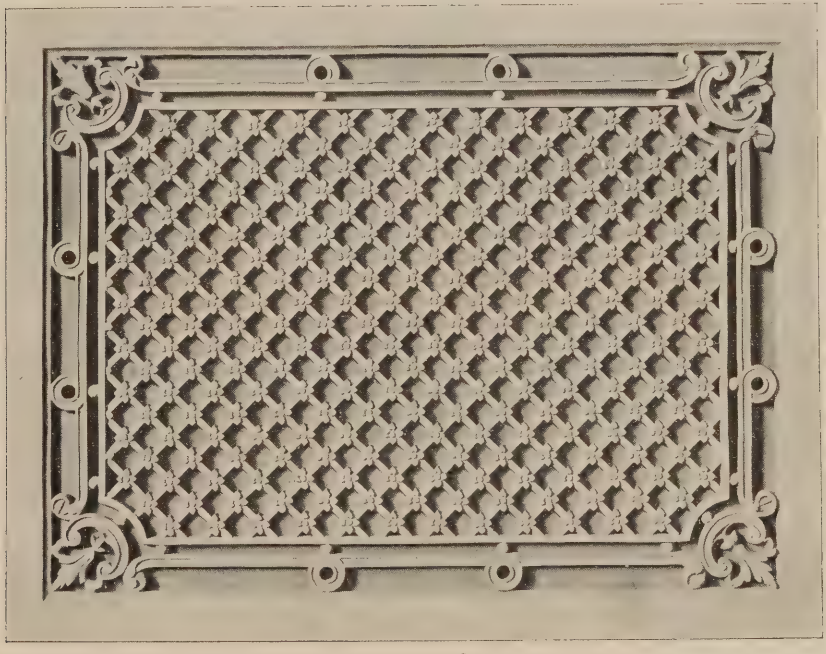

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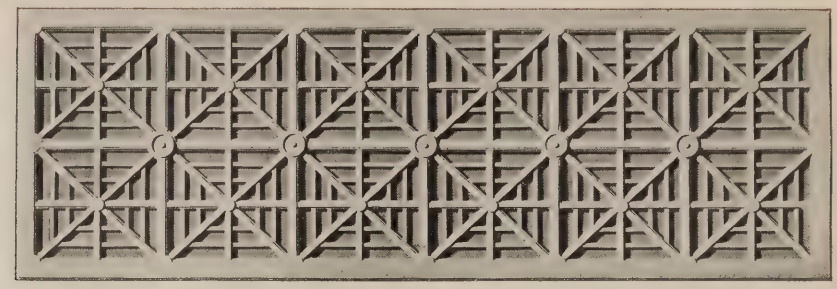

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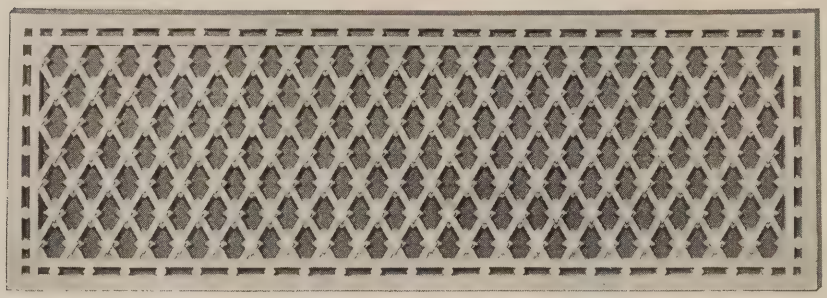

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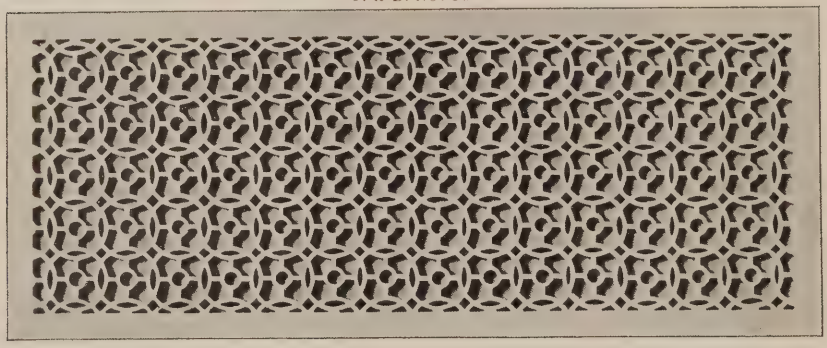

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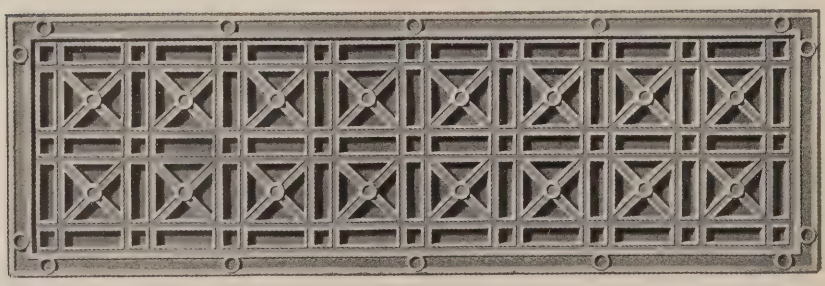

T. & B. NO. 272

DIMENSIONS

The depths of cast-iron, semi-steel and all steel registers when open are approximately as given below.

SIZE OF BODY	Cast Iron	Semi-Steel or All Steel	SIZE OF BODY	Cast Iron	Semi-Steel or All Steel	SIZE OF BODY	Cast Iron	Semi-Steel or All Steel
4½ x 6½	1⅝	2¼	9 x 15	3¼	2¼	16 x 30	4¼	4¼
4 x 8	2¼	2¼	9 x 16	3¼	2¼	16 x 32	4¼	4¼
4 x 10	2¼	2¼	9 x 17	3¼	2¼	16 x 36	4¼	4¼
4 x 12	2¼	2¼	9 x 18	3¼	2¼	18 x 18	4¾	4¼
4 x 13	2¼	2¼	9 x 19	3¼	2¼	18 x 20	4¾	4¼
4 x 15	2¼	2¼	9 x 20	3¼	2¼	18 x 21	4¾	4¼
4 x 18	2¼	2¼	9 x 22	3¼	2¼	18 x 24	4¾	4¼
4 x 21	2¼	2¼	9 x 24	3¼	2¼	18 x 27	4¾	4¼
4 x 24	2¼	2¼	9 x 25	3¼	2¼	18 x 30	4¾	4¼
5 x 8	2	2¼	9 x 26	3¼	2¼	18 x 36	4¾	4¼
5 x 9	2	2¼	9 x 28	3¼	2¼	20 x 20	5½	4¼
5 x 10	2	2¼	9 x 30	3¼	2¼	20 x 22	5½	4¼
5 x 11	2	2¼	10 x 10	3⅜	2¼	20 x 24	5½	4¼
5 x 12	2	2¼	10 x 12	3⅜	2¼	20 x 26	5½	4¼
5 x 13	2	2¼	10 x 14	3⅜	2¼	20 x 28	5½	4¼
5 x 14	2	2¼	10 x 16	3⅜	2¼	20 x 30	5½	4¼
5 x 15	2	2¼	10 x 18	3⅜	2¼	20 x 32	5½	4¼
5 x 16	2	2¼	10 x 20	3⅜	2¼	20 x 36	5½	4¼
5 x 17	2	2¼	10 x 22	3⅜	2¼	21 x 21	6	4¼
5 x 18	2	2¼	10 x 24	3⅜	2¼	21 x 25	6	4¼
6 x 6	2⅜	2¼	10 x 30	3⅜	2¼	21 x 29	6	4¼
6 x 8	2⅜	2¼	11 x 17	4	2¼	21 x 33	6	4¼
6 x 9	2⅜	2¼	11 x 18	4	2¼	21 x 37	6	4¼
6 x 10	2⅜	2¼	11 x 20	4	2¼	21 x 39	6	4¼
6 x 12	2⅜	2¼	12 x 12	4	2¼	22 x 22	5¼	4¼
6 x 14	2⅜	2¼	12 x 14	4	2¼	22 x 24	5¼	4¼
6 x 16	2⅜	2¼	12 x 15	4	2¼	22 x 26	5¼	4¼
6 x 18	2⅜	2¼	12 x 16	4	2¼	22 x 28	5¼	4¼
6 x 20	2⅜	2¼	12 x 17	4	2¼	22 x 30	5¼	4¼
6 x 22	2⅜	2¼	12 x 18	4	2¼	22 x 32	5¼	4¼
6 x 24	2⅜	2¼	12 x 19	4	2¼	22 x 36	5¼	4¼
6 x 28	2⅜	2¼	12 x 20	4	2¼	22 x 38	5¼	4¼
6 x 30	2⅜	2¼	12 x 24	4	2¼	22 x 42	5¼	4¼
6 x 32	2⅜	2¼	12 x 30	4	2¼	24 x 24	5⅜	4¼
7 x 7	2¾	2¼	12 x 32	4	2¼	24 x 27	5⅜	4¼
7 x 10	2¾	2¼	12 x 36	4	2¼	24 x 30	5⅜	4¼
7 x 12	2¾	2¼	12 x 40	4	2¼	24 x 32	5⅜	4¼
7 x 14	2¾	2¼	14 x 14	4	4¼	24 x 36	5⅜	4¼
7 x 15	2¾	2¼	14 x 15	4	4¼	24 x 45	5⅜	4¼
8 x 8	3	2¼	14 x 16	4	4¼	27 x 27	6	4¼
8 x 10	3	2¼	14 x 18	4	4¼	27 x 38	6½	4¼
8 x 12	3	2¼	14 x 20	4	4¼	28 x 28	6½	4¼
8 x 13	3	2¼	14 x 22	4	4¼	28 x 30	6½	4¼
8 x 14	3	2¼	14 x 24	4	4¼	28 x 32	6½	4¼
8 x 15	3	2¼	14 x 48	4	4¼	28 x 36	6½	4¼
8 x 16	3	2¼	15 x 15	4½	4¼	30 x 30	7¾	4¼
8 x 18	3	2¼	15 x 21	4½	4¼	30 x 36	7¾	4¼
8 x 20	3	2¼	15 x 25	4½	4¼	30 x 42	7¾	4¼
8 x 21	3	2¼	15 x 30	4½	4¼	30 x 48	7¾	4¼
8 x 24	3	2¼	15 x 34	4½	4¼	36 x 36	7⅜	4¼
8 x 27	3	2¼	16 x 16	4¼	4¼	36 x 40	7⅜	4¼
8 x 30	3	2¼	16 x 18	4¼	4¼	36 x 42	7⅜	4¼
9 x 9	3¼	2¼	16 x 20	4¼	4¼	36 x 48	7⅜	4¼
9 x 12	3¼	2¼	16 x 22	4¼	4¼	38 x 38	7⅜	4¼
9 x 13	3¼	2¼	16 x 24	4¼	4¼	38 x 40	7⅜	4¼
9 x 14	3¼	2¼	16 x 28	4¼	4¼	38 x 42	7⅜	4¼

WEIGHTS FOR EXPORT

The weights of a few sizes of cast-iron, semi-steel and all steel Registers are given below. The other sizes can be readily approximated from those given.

CAST IRON—SELF-INDICATING VENTILATORS

SIZES	Number Packed in Barrel	Net Weight of Ventilators	Gross Shipping Weight Packed	Cubic Dimensions of Barrel—Inches
6 x 8	50	220 lbs.	255 lbs.	29 x 24 x 24
6 x 10	40	214 "	249 "	29 x 24 x 24
8 x 8	36	222 "	257 "	29 x 24 x 24
8 x 10	25	178 "	213 "	29 x 24 x 24
8 x 12	24	199 "	234 "	29 x 24 x 24
9 x 12	20	197 "	232 "	29 x 24 x 24
10 x 10	20	182 "	217 "	29 x 24 x 24
10 x 12	18	193 "	228 "	29 x 24 x 24
10 x 14	12	157 "	192 "	29 x 24 x 24
12 x 12	12	165 "	200 "	29 x 24 x 24
12 x 15	10	160 "	195 "	29 x 24 x 24
14 x 22	5	151 "	186 "	29 x 24 x 24

Net and gross weight packed in barrels for export

SEMI-STEEL

SIZES	Number Packed in Barrel	Net Weight of Ventilators	Gross Shipping Weight Packed	Cubic Dimensions of Barrel—Inches
6 x 8	50	172½ lbs.	208 lbs.	29 x 24 x 24
6 x 10	40	180 "	215 "	29 x 24 x 24
8 x 8	36	178 "	213 "	29 x 24 x 24
8 x 10	25	130 "	165 "	29 x 24 x 24
8 x 12	24	156 "	191 "	29 x 24 x 24
9 x 12	20	150 "	185 "	29 x 24 x 24
10 x 10	20	139 "	174 "	29 x 24 x 24
10 x 12	18	144 "	179 "	29 x 24 x 24
10 x 14	12	101 "	136 "	29 x 24 x 24
12 x 12	12	113 "	148 "	29 x 24 x 24
12 x 15	10	120 "	155 "	29 x 24 x 24
14 x 22	5	107½ "	143 "	29 x 24 x 24

Net and gross weight packed in barrels for export

ALL WROUGHT STEEL

SIZES	Number Packed in Case	Net Weight of Ventilators	Gross Shipping Weight Packed	Cubic Dimensions of Case—Inches
6 x 8	48	123 lbs.	155 lbs.	21 x 17 x 28
6 x 10	48	144 "	180 "	25 x 17 x 28
8 x 8	24	72 "	110 "	21 x 11 x 28
8 x 10	24	75 "	115 "	21 x 13 x 28
8 x 12	24	95 "	135 "	21 x 15 x 28
9 x 12	24	106 "	140 "	23 x 15 x 28
10 x 10	24	102 "	150 "	25 x 13 x 28
10 x 12	24	114 "	160 "	25 x 15 x 28
10 x 14	24	130 "	180 "	25 x 17 x 28
12 x 12	12	69 "	95 "	15 x 15 x 28
12 x 15	12	76 "	107 "	18 x 15 x 28
14 x 22	12	213 "	245 "	25 x 17 x 28

Net and gross weight packed in cases for export

REFERENCES

The following is a partial list of public buildings recently completed and equipped with Tuttle & Bailey goods. Space will not allow us to give a complete list or mention any of the innumerable private residences.

ANNAPOLIS
- Naval College

ATLANTA
- Van Antwerp Building
- Post Office Building

BALTIMORE
- Colonial Trust Co.
- Custom House
- Eutaw Savings Bank
- Maryland Institute
- Metropolitan Savings Bank
- Munsey Building

BOSTON
- N. E. Tel. & Tel. Co. Building
- Chelsea Masonic Hall
- Masonic Home
- Draper Building at Hopedale

BROOKLYN
- Bossert Hotel

BUFFALO
- Statlers Hotel
- Lafayette Hotel

CHICAGO
- Allen Residence
- Blackstone Hotel
- Chicago Public Library
- Commercial Natl. Bank
- Corn Exchange Natl. Bank
- First Natl. Bank
- Post Office
- Northwestern Station
- University Club

CLEVELAND
- Cleveland Trust Co.
- Federal Building
- Trinity Cathedral

CONCORD, N. H.
- State Library
- State Capitol

DES MOINES
- State Capitol

FAIRMOUNT, W. VA.
- Watson Residence and Office Building

HAZELTON, PENN.
- Markle Bank

HARTFORD, CONN.
- Library
- Phoenix Fire Insurance Bldg.
- National Fire Insurance Bldg.
- Wadsworth Atheneum

JERSEY CITY, N. J.
- Hudson County Court House

KANSAS CITY
- Bank of Commerce

LOUISVILLE
- Seelbach Hotel

MILWAUKEE
- Post Office

NEW HAVEN
- Yale University
- Brewster Residence

NEW YORK
- Alwyn Court
- Bellevue Hospital
- Plaza Hotel
- Hall of Records
- Custom House
- Chemical Natl. Bank
- Hotel Astor
- Belmont Hotel
- Knickerbocker Hotel
- College City of New York
- Columbia University
- Hudson Terminal Buildings
- Trust Co. of America
- Seligman Building
- Trinity Building
- U. S. Realty Building
- Ansonia Apartments
- New Amsterdam Theatre
- Sloane Maternity Hospital
- St. John's Cathedral
- Duke Residence
- Gimbel Building
- Emigrants Savings Bank
- Fourth Natl. Bank
- New York Public Library
- Pennsylvania Terminal

NORTHAMPTON, MASS.
- Smith College

OMAHA
- Post Office

PHILADELPHIA
- Curtis Building
- Union League
- Wm. Penn High School
- Lafayette Building
- Bellevue-Stratford Hotel

PORTLAND, ME.
- Cumberland County Court House

PROVIDENCE, R. I.
- Federal Building
- John Hay Memorial Bldg.

PITTSBURGH
- Herbert DuPuy Residence
- Y. M. C. A. Building
- Jenkins Arcade Building
- Pittsburgh Athletic Club
- Soldiers Memorial Building

SPRINGFIELD, ILL.
- Court House

SCRANTON
- Casey Hotel

SYRACUSE
- Onondaga Hotel

SPRINGFIELD, MASS.
- Hampden County Court House

SAN FRANCISCO
- Hibernian Bank
- Palace Hotel

TRENTON
- Municipal Building

WASHINGTON, D. C.
- Agricultural Building
- Municipal Building
- Union Station
- House & Senate Office Bldgs.
- Union Trust Co.
- Mann Residence
- DuPont Residence
- Bureau of Amer. Republics

WEST POINT, N. Y.
- Army Buildings

WHEELING, W. VA.
- Dollar Savings Bank

WILKINSBURG, PA.
- High School

WILLIAMSPORT, PA.
- Acacia Club

WORCESTER, MASS.
- Worcester Co. Savings Bank

CANADA

EDMONTON
- Parliament Buildings

MONTREAL
- Windsor Hotel

OTTAWA
- Union Passenger Station

TORONTO
- Parliament Buildings

WINNIPEG
- Bank of Montreal

INDEX

	Pages for Designs	Pages for Prices
ALL WROUGHT STEEL—Faces	6	24 to 27, 54
Grilles	6, 54	24 to 27, 54
Registers	6	20 to 23
Ventilators	16	20 to 23
BOOTS	49	49
BORDERS—Circular Top	19	35
Regular	18	28 to 31
Round	19	36, 37
Slate		31
COLD AIR INLETS	60	60
COLD AIR INTAKES	43	43
COMPARATIVE SIZES AND CAPACITIES	44 to 47	44 to 47
CORDS AND CHAINS	16	16
DIMENSIONS	69	69
FACES—Cast (Iron, Bronze or Brass)	7 to 10, 59, 65 to 68	24 to 27, 59
Grilles	7 to 10, 59, 65 to 68	24 to 27, 59
Round	13	36
Screen Faces	52 to 59	54, 59
Special Design	65 to 68	
Ventilating	61	61
Wrought Steel	6, 54	24 to 27, 54
GRATINGS (Heavy, Round)		36
GRILLES	51 to 59, 65 to 68	24 to 27, 54
INDICATING HANDLES		16
REGISTERS—Cast (Regular)	7 to 10	20 to 23
Baby	42	42
Baseboard	38 to 47	41, 42
Circular Top	12	35
Convex	11	34
Defiance	41	41
Glide Movement	9	20 to 23
Imperial	42	42
Lock	14, 15	14, 37
Roller Movement	5, 6	20 to 23
Round	13	36
Self-Indicating	17	32
Semi-Steel	5	20 to 23
Sidewall	50	50
Single Valve	38 to 50	41, 42, 50
Special Design	65 to 68	
Stove Pipe	63	63
"T. & B." Special	40	41
Vertical Wheel Movement	7 to 10	20 to 23
Wafer (Reversible)	50	50
Wrought Steel	6	20 to 23
STACKHEADS	48	48
SASH VENTILATORS	60	60
SCREENS	59	
SEMI-STEEL	5	20 to 23
SPECIAL DESIGNS	65 to 68	
TABLETS	64	
VENTILATORS—Ceiling (Carved Renaissance)	62	62
Chandelier	62	62
Pulley	16	20 to 23
Sash	60	60
Self-Indicating	17	32
Wrought Steel	6	20 to 23
WALL FRAMES	33	33
WEIGHTS	70	
WIRE GRILLES	56 to 58	56 to 58

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